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ABSTRACT

This 1990 report provides a statistical overview of followup surveys concerning college freshmen students entering two- and four-year colleges and universities in 1986 and 1988. The study's purpose was to compare student responses as freshmen and later in their college careers. Additionally presented is a description of the methods used in collecting and presenting the data. The report's first three sections report adjusted national norms from the 1990 followup of 1986 freshmen. Sections 4 through 6 provide weighted tabulations for men, women, and all 1988 freshmen who responded to the 1989 followup survey. Each section includes not only 1990 followup data, but also appropriate freshman data. Also reported are the weighted retention figures for 1986 freshman, provided for four-year institutions by type, selectivity, and student academic achievement levels. Appendices include the weighted methodology used in the statistical analysis, the student survey instrument, and a conversion chart for converting American College Testing scores to Scholastic Aptitude Test equivalents. (GLR)

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The American College Student, 1990

National Norms for 1986 and 1988 College Freshmen

Prepared by the Staff of the
Higher Education Research Institute

Tamara L. Wingard
Eric L. Dey
William S. Korn

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The American College Student, 1990

National Norms for 1986 and 1988 College Freshmen

Prepared by the staff of the
Higher Education Research Institute

Higher Education Research Institute
Graduate School of Education
University of California, Los Angeles

October, 1991

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The American College Student, 1990

National Norms for 1986 and 1988 College Freshmen

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This report was prepared by Eric L. Dey, William S. Korn, and Tamara Wingard.

An Overview of the 1990 Follow-up of 1986 and 1988 College Freshmen

The Cooperative Institutional Research Program (CIRP) is a longitudinal study of the impact of different types of college environments on a student's development. Since 1966, the entering freshman classes at a national sample of colleges and universities across the United States have been surveying their entering freshmen. In the early years of the CIRP, longitudinal follow–ups were conducted at irregular intervals based upon available funding. Beginning in 1982, however, CIRP has conducted annual follow–ups of freshmen two and four years after entering college.

This technical report describes the methods used in collecting and presenting the data, as well as providing the data from the 1990 follow–up study. The 1990 follow–up, carried out during the summer and fall of 1990, surveyed students who entered college in 1986 and 1988. Following the input–environment–outcomes (I–E–O) design described in Astin (1991), the freshman survey collects input data and the follow–up survey collects outcome data. Additionally, the follow–up survey collects information on the experiences of students since entering college.

Method

Fiscal constraints precluded our following up all of the nearly 600,000 freshmen who completed our entering surveys in the fall of 1986 and 1988; therefore, a sampling strategy had to be devised. Since we were concerned with achieving as much representation as possible, our strategy was to obtain, for each of the two cohorts, approximately 175 respondents in each of 23 stratification cells used in the freshman survey. We included roughly equal numbers of men and women in each respondent group. Based on patterns of responses obtained in previous follow–up surveys, a sample size which would be expected to yield the desired number of men and women respondents in each stratification cell for each cohort was computed. For example, if males at public four–year colleges were historically one–third as likely to respond as females from private universities, the males' sample size would have to be three times as large as the females' to yield the same number of respondents. This sample was then randomly selected from the population of freshman survey respondents included in the national norms for 1986 and 1988 (see Appendix A of *The American Freshman: National Norms for 1986* for a detailed discussion of the freshman survey methodology).

Follow–up questionnaires were mailed to the students' home addresses in the summer of 1990. A second wave of questionnaires were sent to nonrespondents in the early fall of the same year. In addition, we requested further information on students in the sample from their specific

institution. These requests were made through each institution's CIRP representative. This information included: Degree earned (if any), number of years completed at that institution, and whether or not the student was still enrolled at that institution. These "registrar's data" were used to correct for questionnaire nonresponse bias and to study retention. Results of the collection procedures for the registrar's data can be found in Appendix A, Tables A1–A7.

Institutional response rates to our request for registrar's data approached 54% for the 1986 cohort and 45% for the 1988 cohort. Rates of response by students to the mailed follow–up surveys ran substantially lower: 20% and 22% for the 1986 and 1988 cohorts, respectively. However, the unique characteristics of the CIRP survey make it possible to use sophisticated weighting procedures to correct for the potential nonresponse bias. Three sources of information were used in adjusting for these biases: The CIRP freshman survey data, the stratification cell of the student's institution, and the registrar's data[1].

The weighting procedures for the questionnaire data involved three stages. In the first stage, a series of regression analyses was carried out to remove any response bias in either the CIRP freshman survey data or the registrar's data. In effect, this procedure gives the greatest weight to those respondents who most resemble the non–respondents in terms of CIRP freshman and registrar's data. In the second stage, the weights obtained from the first stage were adjusted to equal the number of questionnaires mailed out within each stratification cell. In the third stage, the weighted totals in each stratification cell were inflated to equal the total number of first–time, full–time freshmen entering college in that cell in either 1986 or 1988. A complete description of these weighting procedures is provided in Appendix A. Weights for the registrar's data were computed in a similar fashion, except that the first step was skipped.

Results

Included in this report are three major sections of information based upon the 1990 follow–up survey: The adjusted norms for 1986 freshmen, the adjusted norms for 1988 freshmen, and weighted national retention figures for 1986 freshmen.

Complete weighted tabulations of the CIRP follow–up survey responses are provided for the 1986 and 1988 freshmen in the sections that follow. The first three sections report adjusted national norms from the 1990 follow–up of 1986 freshmen men, women, and all students. Sections 4 through 6 provide weighted tabulations for men, women, and all 1988 freshmen who responded to the 1990 follow–up survey. The items in each section are abbreviated versions of the

[1] It should be noted that there is no within-institution bias in the registrar's data since each participating institution provided data on all students. Further, our analysis indicated that there were no measurable differences within stratification cells between institutions providing registrar's data and those failing to do so with respect to characteristics such as size, selectivity, expenditures, type of institution, and control (see Astin, 1982). Thus, registrar's data appear to be provided on an unbiased subsample of the original follow-up sample.

actual items which appeared on the 1990 follow–up questionnaire (see Appendix C). Each section includes not only 1990 follow–up data, but also appropriate freshman data. By contrasting freshman responses with those given two and four years later, it is possible to examine how students change during the undergraduate years.

Finally, the national retention figures were determined based upon the registrar's data that was provided by the CIRP institutional representatives. These tables provide weighted retention figures for 1986 freshmen. The retention figures are provided for four–year institutions by type, selectivity, and student academic achievement levels.

National Normative Data
for
1988 Freshmen

Two Years After College Entry

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1988	97.7	96.5	98.9	97.8	98.6	98.2	99.2	98.9	92.5	91.8	97.8
1987	0.8	0.5	0.6	1.0	0.9	1.3	0.3	0.8	1.8	2.0	0.3
1986	0.2	0.3	0.3	0.3	0.1	0.1	0.1	0.0	0.6	0.7	0.0
1985 or earlier	1.3	2.7	0.2	0.9	0.3	0.3	0.3	0.2	2.3	2.4	1.8
H.S. equivalency (GED test)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.0	0.2
never completed high school	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.0
Age on December 31, 1990											
18 or younger	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.7	3.8	2.4	2.0	2.5	3.6	1.8	1.1	3.5	3.9	0.6
20	76.0	76.4	79.2	75.4	75.2	75.0	78.2	73.8	70.0	68.9	78.8
21	18.3	16.6	17.6	17.8	21.5	20.4	19.1	24.5	20.5	20.8	18.3
22	1.7	0.6	0.3	3.9	0.5	0.5	0.7	0.3	0.8	0.9	0.4
23-26	0.2	0.0	0.2	0.3	0.2	0.2	0.1	0.2	2.4	2.6	1.3
27-31	0.7	2.4	0.0	0.0	0.0	0.0	0.1	0.0	1.0	1.1	0.2
32-41	0.3	0.3	0.0	0.6	0.1	0.1	0.0	0.0	1.1	1.2	0.4
42-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0
57 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	81.6	85.1	86.8	75.4	84.2	76.8	87.4	94.2	87.3	87.4	86.4
Black/Negro/Afro-American	12.0	7.1	4.2	18.2	11.7	19.1	3.7	4.5	6.8	6.3	10.6
American Indian	0.7	0.5	0.2	1.2	0.5	0.7	0.2	0.5	0.2	0.2	0.0
Asian-American/Oriental	3.0	5.7	5.0	1.2	1.8	1.8	2.4	1.4	3.1	3.5	0.1
Mexican-American/Chicano	2.6	2.4	1.7	3.8	1.5	1.2	4.6	0.0	0.5	0.2	2.6
Puerto Rican-American	0.3	0.1	0.4	0.3	0.5	0.7	0.8	0.1	1.5	1.7	0.0
other	1.6	1.1	2.4	1.9	1.3	1.4	2.3	0.6	1.7	1.9	0.4
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	95.3	95.9	99.8	92.0	97.8	98.2	98.4	96.6	95.1	95.4	93.1
mathematics (3 years)	93.0	93.5	98.9	89.4	95.5	95.9	95.7	94.6	90.3	91.2	83.9
foreign language (2 years)	80.3	86.3	97.8	64.8	89.0	90.7	91.4	85.0	79.1	80.5	68.9
physical science (2 years)	53.3	56.5	66.1	47.1	54.0	53.7	52.6	55.4	46.2	47.0	40.7
biological science (2 years)	36.8	39.8	40.5	34.0	35.7	28.4	38.1	45.8	27.7	27.6	28.6
history/American govt (1 year)	99.5	99.6	100.0	99.4	99.4	99.7	97.6	100.0	99.4	99.3	100.0
computer science (1/2 year)	59.2	56.7	65.0	58.8	61.0	63.1	60.3	58.3	56.7	57.0	54.9
art or music (1 year)	67.3	71.1	63.2	62.2	70.8	73.0	60.4	73.4	70.3	70.4	69.9
Took Credit Courses at Freshman College Before Enrollment											
no	96.2	97.3	97.3	93.6	98.2	97.8	98.0	99.0	97.4	97.9	93.8
yes	3.8	2.7	2.7	6.4	1.8	2.2	2.0	1.0	2.6	2.1	6.2
Status of Parents											
together	72.6	73.6	81.4	68.8	73.7	69.0	77.8	78.7	69.6	69.4	71.6
divorced or separated	23.5	22.6	16.2	27.0	21.9	26.4	16.9	17.7	23.5	23.5	23.7
one or both deceased	4.0	3.8	2.4	4.2	4.4	4.5	5.4	3.6	6.9	7.2	4.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	12.7	16.9	26.6	7.1	11.2	10.8	10.1	12.5	4.5	4.8	2.4
A-	15.6	18.2	24.4	11.4	15.6	14.7	14.1	17.8	9.8	10.6	4.3
B+	20.8	19.4	23.1	21.1	21.2	22.3	22.7	18.8	15.6	15.3	17.9
B	22.7	21.3	16.6	24.6	23.6	19.4	30.2	26.3	26.9	27.2	24.6
B-	11.7	10.5	3.4	14.1	12.3	12.1	10.3	13.7	14.9	15.5	11.0
C+	10.5	8.2	5.9	14.6	9.0	11.3	6.3	6.9	16.4	15.6	22.0
C	5.8	5.4	0.0	6.6	7.0	9.3	6.1	4.1	11.0	10.2	17.3
D	0.2	0.0	0.0	0.6	0.1	0.0	0.2	0.0	0.8	0.8	0.6
Average Undergraduate Grade											
A	6.2	5.4	10.3	5.8	6.4	6.0	6.0	7.2	3.6	2.9	8.7
B+,A-	20.7	19.7	28.8	17.9	23.3	22.9	26.1	22.3	19.8	20.0	17.8
B	31.5	32.9	34.4	29.7	31.3	28.5	34.5	33.8	33.1	33.3	32.1
C+,B-	24.9	26.4	14.0	26.5	24.4	24.2	24.1	25.0	27.8	27.5	29.4
C	13.3	11.0	9.3	16.7	12.6	15.5	8.4	10.4	10.5	10.8	8.9
C- or less	3.4	4.6	3.3	3.3	2.1	3.0	0.9	1.3	5.2	5.5	3.2
Degree Aspirations in 1988											
none	0.8	0.3	0.8	0.6	1.8	2.8	2.1	0.0	3.8	4.1	1.8
vocational certificate	0.2	0.3	0.0	0.3	0.2	0.0	0.2	0.4	0.3	0.3	0.5
associate (AA or equivalent)	0.9	0.1	0.0	2.1	0.5	0.4	0.4	0.9	7.9	7.2	12.4
bachelor's (BA, BS, etc)	30.5	28.9	14.2	38.7	26.9	25.9	27.6	28.1	36.9	37.8	31.3
master's (MA, MS)	39.6	39.7	41.9	39.1	39.5	40.0	42.6	37.1	38.1	38.7	34.1
PhD or EdD	14.0	14.0	17.6	10.3	17.5	17.9	13.1	19.2	6.3	6.3	5.8
MD, DO, DDS, DVM	6.9	10.7	10.9	2.5	6.7	7.0	6.3	6.6	2.6	2.4	3.8
LLB or JD (law)	5.3	5.1	14.0	3.3	5.3	4.6	6.7	5.8	2.6	2.6	2.6
BD or MDiv (divinity)	0.7	0.1	0.0	1.8	0.2	0.2	0.0	0.4	0.0	0.0	0.3
other	1.1	0.7	0.6	1.3	1.3	1.2	1.1	1.7	1.6	0.6	7.4
Highest Degree Earned by 1990											
none	90.2	92.5	92.9	85.8	92.3	91.4	91.7	94.0	71.1	74.6	43.8
vocational certificate	0.4	0.1	0.6	0.6	0.6	0.6	1.1	0.4	1.2	1.3	0.0
associate (AA or equivalent)	5.8	5.6	5.1	6.6	5.2	6.5	5.5	3.1	26.5	22.8	55.8
bachelor's (BA, BS, etc)	1.5	0.5	1.0	3.4	0.3	0.3	0.2	0.3	0.0	0.0	0.0
master's (MA, MS)	0.1	0.2	0.0	0.1	0.1	0.0	0.4	0.0	0.0	0.0	0.0
PhD or EdD	0.3	0.0	0.0	0.8	0.2	0.4	0.0	0.0	0.0	0.0	0.0
MD, DO, DDS, DVM	0.1	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0
LLB or JD (law)	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BD or MDiv (divinity)	0.1	0.0	0.0	0.2	0.1	0.0	0.4	0.1	0.0	0.0	0.0
other	1.4	0.9	0.3	2.1	1.2	0.8	0.6	2.2	1.1	1.2	0.4
Degree Aspirations in 1990											
none	1.8	1.7	0.5	1.7	2.3	3.4	1.4	1.3	3.5	3.8	1.0
vocational certificate	0.4	0.0	0.0	0.8	0.3	0.4	0.0	0.5	0.8	0.9	0.3
associate (AA or equivalent)	2.4	1.6	0.0	4.9	0.9	0.5	1.3	1.3	9.8	9.4	12.8
bachelor's (BA, BS, etc)	35.9	33.9	28.8	41.5	33.2	34.0	31.0	33.1	36.9	36.4	40.7
master's (MA, MS)	37.8	40.6	34.7	35.9	38.0	37.1	41.5	37.2	36.8	37.2	33.4
PhD or EdD	10.9	10.0	15.3	8.5	13.8	13.2	11.5	16.2	4.9	5.2	2.8
MD, DO, DDS, DVM	4.2	6.3	5.0	1.8	4.4	4.4	4.7	4.3	2.9	2.9	2.7
LLB or JD (law)	5.4	4.7	14.8	3.4	5.8	5.9	7.2	5.0	2.4	2.0	5.2
BD or MDiv (divinity)	0.2	0.2	0.5	0.1	0.3	0.2	0.3	0.5	0.1	0.0	0.8
other	1.1	1.1	0.6	1.4	0.9	1.0	1.2	0.7	1.9	2.1	0.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College was Student's											
first choice	66.8	71.2	69.1	63.6	65.3	62.1	65.3	70.4	73.5	75.3	59.1
second choice	24.0	21.8	22.7	25.5	24.9	25.5	28.3	21.9	16.8	14.7	33.3
third choice	6.7	4.8	5.3	8.6	6.8	7.9	3.5	6.9	3.9	3.9	3.5
less than third choice	2.5	2.2	2.9	2.2	3.0	4.4	2.8	0.8	5.9	6.1	4.0
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	63.5	61.8	60.8	64.0	66.0	67.9	65.6	63.3	64.2	62.6	76.8
humanities courses	73.3	74.5	79.2	68.5	76.2	76.2	77.3	75.4	68.2	69.8	56.4
social science courses	71.1	72.7	77.3	65.5	74.9	76.2	77.3	71.3	64.1	63.0	72.6
courses in major field	82.3	80.8	86.7	80.6	84.6	83.9	85.6	85.2	80.1	80.3	78.6
general education requirements	59.9	54.7	69.1	59.8	63.3	61.5	65.3	64.8	61.2	60.5	66.9
relevance of coursework to life	51.8	45.2	58.3	50.2	59.7	59.4	60.9	59.4	52.9	53.2	50.9
overall quality of instruction	71.2	66.8	81.4	66.8	79.4	76.8	80.7	82.7	69.2	68.8	72.2
lab facilities and equipment	66.3	65.3	66.8	66.3	67.2	69.7	68.9	62.5	67.4	67.4	67.5
library facilities	72.8	88.6	74.3	67.9	60.6	63.4	69.0	51.2	73.1	74.8	60.4
computer facilities	72.0	77.3	75.6	69.1	69.2	69.2	72.8	67.0	74.1	74.6	70.2
oppty for interdisciplin courses	52.1	46.8	62.1	48.4	58.8	60.1	54.2	59.6	36.5	36.4	36.7
oppty to talk to professors	74.9	65.4	75.8	75.9	84.1	79.5	86.3	89.8	72.3	70.2	88.9
oppty for extracurr activities	76.0	70.2	81.9	76.8	79.4	76.0	77.3	86.1	62.5	60.6	75.7
campus social life	66.8	70.6	67.3	66.6	62.6	58.7	59.8	70.6	56.6	56.1	59.6
regulations on campus life	44.2	45.0	48.1	44.7	41.5	42.8	41.0	39.8	41.3	41.7	38.5
academic tutoring or assistance	65.0	57.7	53.6	71.4	67.9	66.7	77.0	64.4	62.3	60.3	76.0
academic advising	50.7	42.2	45.0	53.0	59.3	54.0	68.9	61.9	48.9	47.2	61.3
career counseling and advising	48.2	40.6	48.8	50.0	54.3	49.6	65.9	54.3	42.7	42.1	47.0
personal counseling	45.8	39.2	47.6	46.5	50.8	47.7	54.6	53.9	46.5	45.9	50.4
student housing	52.5	53.2	55.8	47.2	57.2	53.9	60.2	60.5	49.2	46.8	59.9
financial aid services	41.3	36.5	42.4	42.7	43.9	40.6	46.3	47.5	45.1	42.1	63.0
contact with faculty and admin	57.4	41.5	56.6	59.3	72.8	68.1	77.4	77.5	56.7	53.4	81.5
relations with faculty & admin	58.3	44.2	56.3	59.9	72.4	67.7	76.7	77.0	62.8	60.2	82.7
oppty to attend films,concerts	75.2	77.9	84.4	73.4	71.5	69.6	66.7	77.1	57.2	56.7	60.7
job placement services	51.8	47.8	58.9	51.0	54.3	55.8	55.4	50.8	37.4	36.4	44.0
campus health services	56.0	62.2	48.2	58.9	48.6	47.6	50.5	49.3	51.1	51.6	48.1
overall college experience	76.8	75.6	79.1	76.6	77.9	75.9	78.5	80.6	71.6	70.8	78.2
Enroll at Freshman College Again											
definitely yes	34.1	33.5	39.9	33.9	33.2	32.4	31.7	35.5	31.7	30.6	40.0
probably yes	33.3	37.0	28.4	32.4	31.9	31.2	35.8	30.7	32.2	33.4	23.4
don't know	4.8	4.8	5.6	4.1	5.6	6.2	4.0	5.7	3.5	3.6	2.8
probably not	15.6	14.7	17.4	14.8	17.1	17.6	13.2	18.7	20.4	20.7	18.6
definitely not	12.2	10.0	8.7	14.8	12.2	12.7	15.4	9.5	12.1	11.7	15.2
Miles from College to Home											
5 or less	3.4	2.5	2.3	3.9	4.1	2.9	8.4	3.5	12.1	13.0	5.5
6-10	6.0	7.8	3.1	6.5	4.3	5.2	5.4	2.1	15.8	16.7	8.9
11-50	23.7	21.9	15.4	30.9	18.7	15.4	26.7	19.1	35.3	35.9	30.4
51-100	19.6	21.5	7.4	22.3	17.4	13.3	19.2	22.9	13.0	12.9	13.3
101-500	35.7	38.7	34.3	33.0	36.4	38.7	28.3	37.6	18.9	18.8	20.2
more than 500	11.6	7.6	37.5	3.5	19.2	24.6	12.0	14.7	4.9	2.7	21.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Took Time Off, Withdrew or Transferred											
no	70.5	73.9	70.9	66.9	71.5	66.5	73.6	78.2	67.6	69.0	56.3
transferred	18.0	14.9	21.0	20.2	17.6	18.9	21.2	13.3	17.1	14.9	34.6
withdrew	5.6	4.5	4.3	6.1	6.7	9.0	3.0	5.2	8.5	8.8	5.5
leave of absence	5.9	6.7	3.8	6.9	4.2	5.6	2.2	3.3	6.9	7.3	3.5
Reasons Noted as Very Important for Taking Time Off (4)											
reconsider goals & interests	45.6	53.8	49.7	40.2	43.2	41.9	33.2	52.5	40.5	39.9	43.9
changed career plans	22.9	23.1	19.5	23.6	22.7	25.2	16.5	21.1	27.6	29.3	18.4
wanted practical experience	14.1	8.9	6.6	17.4	17.0	16.2	17.8	18.5	13.3	12.9	15.7
didn't "fit in"	19.0	19.6	17.0	16.5	22.6	25.1	26.7	14.6	18.2	16.7	26.3
was bored with course work	12.0	8.8	17.5	13.4	11.4	10.3	12.3	13.2	15.5	15.5	15.4
wanted better acad reputation	22.1	14.3	14.3	28.3	22.9	23.8	29.1	16.9	18.8	13.0	49.9
wanted better social life	13.6	7.8	5.5	13.5	22.6	24.2	27.9	15.4	25.1	28.1	8.6
wanted to be closer to home	17.4	15.3	11.9	19.6	17.9	16.0	12.6	25.7	26.9	30.0	9.9
had good job offer	7.5	4.0	1.6	11.8	6.0	3.7	3.3	12.8	10.0	10.6	6.5
wasn't doing well academically	28.0	37.1	27.9	24.6	23.3	27.5	14.3	19.2	30.6	31.2	26.8
family responsibilities	10.9	5.7	11.9	13.0	13.0	15.0	7.0	12.4	15.1	16.9	5.3
tired of being student	5.6	4.0	1.6	7.5	6.0	5.7	1.9	9.3	6.2	6.1	6.9
couldn't afford college	22.6	16.7	29.1	24.6	23.7	23.9	23.7	23.2	21.4	21.1	22.8
wanted wider course selection	26.3	9.8	35.5	29.8	35.5	33.2	40.2	37.2	19.4	17.1	31.3
ENROLLMENT STATUS											
First Year											
attended first college full-time	97.8	97.7	99.4	96.9	98.6	98.5	97.8	99.2	98.6	98.6	98.7
attended first college part-time	0.9	0.6	0.6	1.6	0.3	0.3	0.3	0.4	1.0	1.1	0.7
attended diff college full-time	0.7	0.7	0.0	1.2	0.4	0.0	1.9	0.2	0.0	0.0	0.0
attended diff college part-time	0.4	0.6	0.0	0.1	0.5	1.1	0.0	0.0	0.1	0.0	0.7
not enrolled	0.2	0.4	0.0	0.1	0.1	0.1	0.0	0.2	0.3	0.3	0.0
Second Year											
attended first college full-time	78.9	79.1	81.8	77.5	79.4	74.8	81.3	85.2	77.6	77.3	79.8
attended first college part-time	3.4	4.3	2.9	3.8	1.8	1.5	1.8	2.4	5.8	6.5	0.2
attended diff college full-time	11.7	10.0	10.9	13.6	11.7	13.7	13.4	7.7	13.4	13.4	13.4
attended diff college part-time	2.4	2.4	3.4	1.2	3.5	4.0	1.9	3.7	0.8	0.6	2.5
not enrolled	3.7	4.2	0.9	3.9	3.6	6.1	1.6	0.9	2.4	2.2	4.1
Plans for Fall 1990											
attend college full-time	87.6	89.9	91.2	85.3	87.1	84.8	92.5	87.4	72.7	73.3	67.9
attend college part-time	4.7	4.4	2.3	5.5	4.9	6.1	2.6	4.2	7.4	7.7	4.9
attend graduate school	0.7	0.4	0.0	1.1	0.8	1.1	0.2	0.6	2.3	1.4	9.0
attend vocational program	0.6	0.6	0.2	0.4	1.2	1.0	0.4	2.0	0.4	0.2	1.7
work full-time	9.5	7.2	7.7	12.4	8.7	10.9	7.1	6.3	24.6	25.2	20.4
work part-time	48.1	52.7	44.8	45.1	47.9	44.1	53.5	50.7	45.0	46.0	37.7
serve in Armed Forces	1.3	1.4	1.6	1.0	1.5	1.4	0.8	2.1	0.6	0.6	1.0
travel	5.2	4.0	8.5	4.4	6.8	7.9	4.6	6.6	4.4	4.4	4.0
do volunteer work	12.1	12.3	17.4	9.1	14.3	13.7	15.6	14.4	6.5	6.6	5.9
stay at home	4.9	4.3	1.7	6.1	4.8	6.7	3.9	2.4	7.4	7.3	8.5

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1988											
academic ability	65.0	75.4	83.9	51.4	65.6	64.7	65.6	67.0	44.7	44.7	44.2
artistic ability	25.5	29.0	26.3	22.4	25.4	26.3	21.6	26.4	25.6	26.6	18.5
competitiveness	55.9	58.5	65.7	52.4	54.6	54.8	52.6	55.4	49.1	48.7	52.4
drive to achieve	68.8	73.2	84.9	61.7	68.4	69.4	70.3	65.8	59.2	58.0	67.9
emotional health	58.6	58.1	67.1	56.9	59.0	60.3	60.2	56.3	52.0	51.8	53.5
foreign language ability	35.0	41.0	46.9	27.1	34.9	36.5	37.0	30.9	22.7	23.1	19.8
leadership ability	55.8	61.5	67.9	48.0	56.2	57.1	55.2	55.4	45.2	45.1	45.5
mathematical ability	44.6	53.0	59.8	36.0	42.0	41.4	38.8	44.8	33.2	34.8	20.8
physical health	59.1	64.7	67.8	51.1	60.6	62.6	58.4	58.9	57.4	58.7	48.2
popularity	44.2	47.4	55.1	36.1	48.0	49.7	45.2	47.0	42.0	41.6	44.7
popularity with opposite sex	41.9	45.0	49.6	35.7	44.2	46.0	45.2	40.8	42.6	42.1	46.1
public speaking ability	33.5	37.4	40.9	28.9	32.8	34.4	26.9	33.7	21.0	20.6	23.9
self-confidence (intellectual)	55.2	62.8	70.8	44.8	55.5	56.9	55.6	53.2	42.0	42.2	40.3
self-confidence (social)	43.1	45.0	52.0	36.7	46.9	48.8	48.1	43.1	41.2	40.4	47.3
writing ability	45.5	52.2	56.6	36.2	46.7	43.7	47.4	50.9	31.5	31.1	34.5
in 1990											
academic ability	64.9	68.0	78.7	57.0	68.0	68.0	69.4	67.1	56.7	57.1	53.3
artistic ability	29.7	30.2	30.5	28.4	30.7	32.9	26.0	30.0	31.1	31.4	29.0
competitiveness	58.4	61.0	62.0	58.0	54.8	55.9	57.7	51.2	54.3	54.2	54.3
drive to achieve	68.6	70.1	70.7	68.4	66.4	66.0	71.7	64.0	64.5	64.0	68.2
emotional health	58.3	58.3	61.7	56.7	59.4	60.8	59.9	56.9	53.3	52.1	62.4
foreign language ability	36.2	38.7	48.8	30.4	37.5	38.6	37.7	35.6	21.1	21.3	19.0
leadership ability	58.4	58.4	64.1	55.9	59.9	62.2	56.6	58.3	54.3	54.0	56.6
mathematical ability	43.6	46.8	56.8	39.0	41.9	41.9	40.7	42.7	35.0	36.5	24.2
physical health	60.6	61.3	66.0	58.4	61.2	64.5	58.9	57.4	57.0	57.0	57.2
popularity	46.1	45.2	51.1	45.7	46.1	45.7	49.6	44.8	44.8	44.8	44.5
popularity with opposite sex	45.9	46.3	44.9	45.9	45.9	46.5	47.0	44.4	44.9	45.0	44.3
public speaking ability	38.5	38.3	38.8	37.1	40.4	43.2	35.6	39.0	33.8	32.9	41.4
self-confidence (intellectual)	61.5	63.7	71.1	57.4	61.3	63.4	61.3	58.2	49.3	48.6	54.8
self-confidence (social)	49.7	50.7	52.3	47.4	51.0	51.6	53.9	48.2	45.6	44.8	51.5
writing ability	55.3	57.5	63.5	50.6	56.6	55.7	57.2	57.7	47.1	47.1	46.8
Permission to Use I.D. in 1988											
yes	78.2	82.0	75.6	77.1	75.2	73.7	68.6	81.3	66.1	64.8	76.3
no	21.8	18.0	24.4	22.9	24.8	26.3	31.4	18.7	33.9	35.2	23.7
Permission to Use I.D. in 1990											
yes	69.1	69.9	65.4	65.6	74.4	74.2	70.3	76.9	66.8	66.1	72.3
no	30.9	30.1	34.6	34.4	25.6	25.8	29.7	23.1	33.2	33.9	27.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (Reported in 1988)											
be elected to student office....	4.1	4.3	3.8	3.9	4.4	5.2	4.6	3.1	0.5	0.4	1.1
be satisfied with college.....	52.9	55.7	63.6	44.8	56.7	55.8	52.0	60.8	47.8	47.0	53.1
change career choice.....	15.8	16.5	15.9	15.8	15.1	12.8	15.5	18.3	8.3	8.2	9.0
change major field.....	15.9	17.4	16.5	15.2	15.0	13.8	14.9	16.9	10.9	11.5	6.6
drop out permanently.....	0.9	0.2	0.1	2.1	0.4	0.7	0.2	0.0	0.2	0.2	0.0
drop out temporarily.....	0.7	0.1	0.1	1.5	0.4	0.6	0.0	0.5	0.1	0.2	0.0
fail one or more courses.....	1.5	0.7	0.0	3.0	1.0	0.4	0.6	2.2	0.6	0.4	2.1
get job to pay expenses.....	36.4	39.1	36.6	33.8	36.7	34.7	37.8	39.0	34.7	36.8	19.4
get married while in college....	4.0	2.9	0.9	5.6	4.3	4.7	3.5	4.1	5.0	4.9	5.5
graduate with honors.....	12.2	12.7	17.7	10.0	12.7	13.7	12.6	11.3	6.7	6.8	6.5
join social frat or sorority....	20.1	23.7	24.5	13.9	22.5	26.1	17.8	19.9	10.6	8.8	24.0
make at least "B" average.....	45.4	53.8	51.2	37.7	43.7	43.8	48.9	40.6	38.9	39.8	32.9
participate in student protests.	6.1	5.1	8.0	4.3	8.9	11.9	5.5	6.3	2.9	3.0	1.8
play varsity athletics.....	15.8	9.8	13.8	15.7	23.5	24.7	19.7	24.0	9.9	8.8	17.8
transfer to another college.....	9.2	4.6	2.5	15.0	9.4	11.4	10.2	5.8	12.8	10.4	29.8
work at outside job.....	18.4	21.4	14.0	21.6	12.2	11.6	17.5	10.2	23.2	24.1	17.2
work full-time while attending..	2.7	2.1	1.1	4.2	1.9	1.9	1.6	2.1	4.3	4.7	1.2
Events Occurring Since Entering College (5)											
was elected to student office...	12.3	9.7	14.9	10.8	16.5	15.0	16.1	19.2	9.0	8.1	16.2
was satisfied w/fresh coll (6)..	76.1	74.7	78.5	75.9	77.2	75.3	77.9	79.8	69.9	68.9	78.2
changed career choice (6).....	49.9	52.9	43.5	51.1	46.9	47.0	46.3	46.9	46.4	46.6	44.5
changed major field (6).....	44.9	46.2	44.5	43.6	45.2	41.3	47.2	49.8	45.7	46.8	37.0
dropped out permanently (6).....	5.4	4.3	4.1	5.9	6.5	8.8	2.9	5.0	8.3	8.7	5.3
dropped out temporarily (6).....	5.7	6.4	3.7	6.7	4.1	5.5	2.2	3.2	6.8	7.2	3.4
failed a course or class.....	30.8	30.4	17.2	36.8	27.3	31.7	20.8	24.1	37.4	37.5	36.5
had part-time job off-campus....	44.4	48.6	42.9	44.3	40.2	37.7	46.9	40.1	56.1	56.7	51.3
had part-time job on campus.....	39.1	29.6	46.5	37.1	50.8	47.9	50.6	55.7	24.2	23.2	32.0
worked full-time while student..	7.8	7.5	6.5	9.9	5.7	5.8	7.3	4.4	10.6	10.6	10.6
got married.....	2.9	2.1	1.0	4.9	1.8	1.6	1.3	2.4	1.5	1.3	2.6
graduated with honors.....	0.9	0.6	0.1	1.4	0.6	0.9	0.4	0.3	5.7	4.6	13.9
joined a fraternity or sorority.	23.7	25.1	30.6	20.2	24.4	23.6	12.2	32.9	11.6	11.2	14.4
made "B" or better coll GPA (6).	58.4	57.9	73.5	53.4	60.9	57.3	66.5	63.4	56.5	56.2	58.6
participated in student protests	14.6	12.8	17.0	12.9	18.5	21.1	15.5	16.0	6.4	6.1	8.4
played intercoll foot/basketball	6.6	4.9	3.4	6.5	9.8	9.1	8.0	12.1	4.4	4.2	5.8
played other intercoll sport....	18.7	14.0	21.0	16.6	26.5	24.0	23.1	32.6	15.7	16.0	14.0
transferred before graduating...	17.4	14.2	20.3	19.7	17.0	18.4	20.7	12.8	16.8	14.7	33.4
Other College Activities (5)											
assisted faculty in teaching....	4.6	2.4	3.2	4.0	8.5	9.2	8.1	7.5	6.3	6.2	6.8
attd racial/cultural workshop...	17.5	15.5	26.9	15.7	19.6	20.5	16.5	19.9	12.3	12.6	10.2
enrolled in ethnic std course...	13.7	14.5	19.3	10.7	15.3	15.9	13.9	15.2	6.3	6.4	5.7
enrolled in honors program.....	19.0	19.8	29.2	14.2	21.6	22.7	19.7	20.9	13.5	13.0	17.6
enrolled in women's std course..	8.9	10.2	5.7	7.5	10.3	11.2	8.0	10.3	2.9	3.1	1.5
in college internship program...	7.9	6.6	12.9	6.6	9.5	10.7	6.1	9.7	9.1	9.8	3.9
in social/ethnic student org....	8.4	7.1	11.2	8.1	9.4	10.6	9.8	7.2	4.6	5.1	0.7
in study abroad program.....	5.1	3.7	6.0	2.9	9.4	9.8	7.4	10.1	0.9	0.7	2.1
taken reading study/skills class	18.8	8.7	13.8	27.9	19.6	21.1	19.3	17.4	20.0	19.8	21.7
taken remedial/develop course...	9.2	5.4	4.9	14.2	8.0	9.7	9.8	4.4	14.5	15.4	7.7
worked on prof's research proj..	7.1	6.0	6.5	8.2	7.2	8.7	5.3	5.7	4.9	5.2	2.1

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Last Year Reported in 1988											
attended a religious service....	82.4	78.1	86.0	84.9	82.9	78.5	88.0	86.8	87.1	87.0	88.0
did extra work for class (7)....	11.2	11.7	12.7	10.9	10.8	10.5	12.8	10.1	7.3	6.8	11.3
didn't complete homework on time	68.3	63.7	65.9	70.0	72.1	73.4	67.5	72.6	66.6	65.4	75.6
drank beer.....	63.8	64.8	65.6	62.0	64.5	69.0	72.5	52.7	71.2	72.3	63.0
drank wine or liquor.....	67.0	67.8	71.5	66.3	65.5	67.0	75.2	57.6	70.9	70.5	73.8
felt depressed (7).....	11.5	12.2	6.8	11.9	11.7	13.3	12.0	9.1	12.0	12.3	10.3
felt overwhelmed (7).....	23.1	24.4	19.0	20.3	26.7	27.6	27.7	24.8	19.4	19.6	18.5
smoked cigarettes (7).....	7.9	7.8	5.3	7.6	9.3	12.3	8.5	4.9	8.8	8.0	14.9
stayed up all night.....	80.8	83.5	77.1	79.3	81.0	81.9	83.8	77.7	81.2	80.4	87.3
studied with other students.....	87.6	87.1	90.5	85.3	90.5	90.3	89.8	91.4	88.4	88.3	89.4
tutored another student.....	49.5	52.9	64.4	44.5	47.7	48.6	46.3	46.9	43.4	45.2	29.9
used a personal computer (7)....	28.8	29.7	32.7	26.6	29.7	31.8	25.4	29.0	26.7	25.6	34.2
was bored in class (7).....	36.1	37.2	41.0	32.0	38.9	39.8	33.1	41.0	26.2	26.3	25.4
was guest in teacher's home.....	31.2	29.3	32.8	31.3	32.8	31.3	33.4	34.8	29.8	30.2	26.7
won varsity letter in sports....	49.2	46.7	54.8	48.5	51.4	50.6	49.6	53.8	43.4	42.6	49.7
Reported in 1990											
attended a religious service....	67.9	60.1	69.9	70.8	72.5	65.2	78.9	80.2	66.6	66.4	68.5
attended recital or concert.....	79.2	76.9	87.7	75.6	84.1	81.6	82.6	89.0	69.2	67.5	82.0
been lonely or homesick.....	64.9	67.1	64.1	63.1	64.8	62.6	60.2	71.1	54.1	52.7	65.2
drank beer.....	72.2	75.5	80.5	68.0	71.6	73.2	79.7	64.3	71.8	72.2	68.7
drank wine or liquor.....	75.6	79.5	80.4	71.0	75.9	76.7	82.3	70.9	70.4	70.0	73.4
felt depressed (7).....	11.8	11.9	11.9	13.6	9.3	8.6	10.7	9.4	8.6	9.0	6.3
felt overwhelmed (7).....	27.8	32.1	23.4	26.9	25.5	22.9	27.7	28.1	22.4	22.4	22.3
recd personal/psych counseling..	11.4	10.3	13.3	9.6	14.6	15.5	16.6	12.1	11.8	11.9	10.7
recd voc/career counseling.....	46.7	48.5	43.5	47.3	44.9	40.6	52.2	47.6	49.7	48.8	56.0
smoked cigarettes (7).....	10.8	11.6	7.5	11.0	10.3	13.2	9.3	6.4	11.8	12.2	9.0
socialized w/diff ethnic grp (7)	46.3	48.1	50.1	40.8	50.8	50.1	50.7	51.8	47.4	46.5	53.9
stayed up all night.....	71.5	75.1	72.3	69.7	69.4	71.1	69.7	66.4	70.7	70.2	74.4
used a personal computer (7)....	39.5	36.9	50.3	33.0	48.3	51.2	45.8	45.2	38.0	37.2	43.9
Activities in Last Year of College											
did extra work for class (7)....	7.8	6.9	5.2	9.5	7.5	7.6	9.9	5.7	7.8	7.2	11.6
didn't complete homework on time	58.2	58.4	60.4	57.1	58.8	58.2	56.6	60.9	57.7	57.2	61.3
discussed course w/students (7).	62.8	57.1	66.2	62.6	68.8	67.4	71.3	69.6	61.3	61.1	63.3
felt like leaving college.....	44.6	43.7	42.4	47.5	42.5	42.5	40.6	43.8	49.4	49.9	46.4
missed class due to illness (7).	3.1	2.8	1.7	3.0	4.1	4.4	2.8	4.3	3.2	2.7	6.7
participated in intramural sport	46.5	44.8	45.5	45.9	49.8	48.7	47.9	52.5	38.4	36.9	49.5
performed volunteer work.....	42.9	37.4	46.4	42.0	49.4	45.2	49.3	56.0	35.2	34.3	41.6
studied with other students.....	91.0	89.4	92.2	90.9	92.5	91.8	94.4	92.6	86.8	85.7	95.0
took interdisciplinary course...	37.2	36.1	41.9	29.0	48.1	44.2	43.9	56.7	29.2	30.4	20.5
tutored another student.....	44.4	44.5	52.2	40.6	47.2	43.8	48.4	52.0	44.5	44.8	42.3
used a personal computer (7)....	35.8	31.4	47.6	30.1	44.9	46.4	40.9	44.8	32.3	31.2	41.0
was bored in class (7).....	27.7	35.9	24.0	26.0	21.7	21.4	23.2	21.3	26.1	26.4	23.5
was guest in professor's home...	17.1	9.5	21.3	11.8	32.1	30.4	18.3	43.0	17.7	15.3	35.0
worked on grp projects in class.	82.9	77.6	80.4	85.0	87.0	83.3	90.3	90.9	86.4	86.1	89.3
worked on ind research project..	46.9	33.1	45.2	54.1	53.7	55.2	50.9	53.1	58.8	57.9	65.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1988											
with parents or relatives	11.1	8.3	4.3	17.8	7.4	6.9	11.3	5.8	24.9	26.9	11.2
other private home,apt,room	27.5	31.2	21.6	28.6	23.4	28.7	19.6	17.4	28.7	29.3	24.5
college dormitory	45.1	41.9	63.3	38.9	51.7	47.9	53.2	56.8	28.6	26.9	40.6
fraternity or sorority house	8.2	11.0	6.4	5.2	9.5	8.6	5.0	13.3	10.2	8.9	18.9
other campus housing	6.1	5.8	3.8	6.8	6.3	6.6	8.6	4.6	4.2	4.3	3.8
other	2.0	1.7	0.6	2.7	1.8	1.3	2.3	2.1	3.3	3.7	0.9
Planned for Fall 1988											
with parents or relatives	16.2	18.3	6.8	20.9	10.7	10.8	20.1	4.9	55.5	58.2	34.1
other private home,apt,room	3.7	7.2	0.9	2.6	1.9	2.1	2.0	1.4	8.5	9.4	1.3
college dormitory	76.7	70.7	85.0	73.6	85.2	85.0	74.6	91.8	32.3	28.3	63.6
fraternity or sorority house	1.1	0.7	4.6	0.7	1.0	0.5	1.5	1.5	0.2	0.2	0.0
other campus housing	2.1	3.1	2.5	2.0	1.1	1.3	1.9	0.3	2.7	2.9	1.0
other	0.1	0.0	0.2	0.3	0.1	0.3	0.0	0.0	0.9	1.0	0.0
First Year											
with parents or relatives	15.4	17.3	6.8	20.1	9.6	9.3	19.4	4.4	56.8	60.2	30.6
other private home,apt,room	4.8	8.7	2.9	3.9	2.1	3.0	1.0	1.2	8.0	8.9	1.1
college dormitory	77.0	70.7	88.1	73.1	86.2	85.9	78.3	91.3	33.3	28.9	66.8
frat or sorority house	0.9	1.4	0.2	0.5	1.2	0.7	0.0	2.5	0.0	0.0	0.0
other campus student housing	1.4	1.5	1.6	1.7	0.8	1.1	1.3	0.2	1.5	1.5	1.5
other	0.4	0.4	0.4	0.7	0.1	0.0	0.1	0.4	0.5	0.5	0.0
Second Year											
with parents or relatives	21.0	21.1	13.0	26.5	16.2	16.8	23.2	11.2	54.0	57.4	28.2
other private home,apt,room	19.9	31.7	21.9	15.2	11.3	13.4	8.7	9.8	17.4	17.1	19.6
college dormitory	49.8	36.1	54.0	53.0	60.6	55.9	58.6	68.9	25.2	22.1	48.2
frat or sorority house	4.6	6.5	5.1	1.6	6.0	7.1	0.4	7.5	0.0	0.0	0.0
other campus student housing	3.7	3.5	5.5	2.6	4.8	4.6	8.8	2.7	2.2	2.0	3.5
other	1.0	1.0	0.4	1.1	1.1	2.1	0.3	0.0	1.3	1.4	0.5

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Objectives Noted as Essential or Very Important in 1988 (8)											
achieve in a performing art.....	11.0	11.4	10.9	8.6	13.7	15.6	8.5	13.8	5.7	5.8	5.1
become authority in my own field	74.3	74.1	74.1	75.8	72.7	76.5	68.9	68.9	70.8	70.1	75.9
obtain recog from colleagues....	56.7	57.7	58.8	54.9	57.3	61.8	57.2	50.5	54.5	53.9	59.3
influence political structure...	18.3	16.8	22.1	18.1	19.0	19.9	21.5	16.2	14.1	14.3	12.7
influence social values.....	37.0	33.2	38.8	35.3	43.0	42.0	43.6	44.3	38.2	37.4	44.0
raise a family.....	65.3	64.2	69.6	63.1	68.0	67.6	70.5	67.2	69.5	70.4	63.0
in 1990											
achieve in a performing art.....	10.3	9.1	12.5	9.5	12.1	13.1	10.7	11.3	8.1	8.3	7.0
become authority in my own field	75.0	72.9	70.5	78.3	74.5	77.2	72.5	71.4	73.2	72.9	75.3
obtain recog from colleagues....	56.3	58.0	58.2	56.1	54.1	55.6	58.0	49.3	57.0	55.9	65.2
influence political structure...	19.4	18.0	23.8	18.3	21.2	25.2	20.3	15.4	13.8	13.6	15.9
influence social values.....	44.3	40.7	43.2	45.4	47.3	48.7	48.3	44.6	45.5	45.8	43.1
raise a family.....	70.4	67.9	70.4	72.5	70.3	67.3	73.5	73.2	67.8	67.3	71.9
have admin responsibility.....	43.8	43.3	37.0	48.2	40.4	38.8	47.0	39.1	50.9	50.8	51.6
be very well off financially....	67.6	66.8	66.0	71.7	63.3	67.7	65.2	55.1	70.8	70.8	71.3
help others in difficulty.....	64.9	60.7	60.6	67.5	67.8	65.2	73.6	68.5	69.8	70.4	64.9
theoretical contrib to science..	11.7	12.7	10.5	9.6	13.6	12.4	15.8	14.3	13.4	13.9	9.5
write original works.....	15.8	15.8	21.3	13.8	16.6	14.8	16.4	19.8	15.4	16.6	6.6
create artistic work.....	13.6	12.3	13.0	14.3	14.4	15.0	13.2	14.1	14.3	13.5	19.7
be successful in own business...	38.9	38.8	34.9	38.4	40.9	43.7	43.9	34.8	45.0	43.4	56.7
be involved in environ cleanup..	42.5	42.0	36.7	41.7	46.0	46.5	45.5	45.4	41.2	41.2	41.5
develop philosophy of life.....	50.2	45.6	57.7	49.5	54.1	55.3	55.8	51.2	45.6	44.0	57.5
participate in community action.	26.5	20.6	33.1	27.3	30.3	32.9	31.9	25.1	25.4	25.5	24.7
promote racial understanding....	36.9	33.3	38.3	35.6	42.6	46.5	43.8	35.5	38.0	37.6	40.9
be expert on finance/commerce...	21.4	22.0	21.9	22.2	19.5	19.9	26.2	14.9	23.2	21.8	33.6
Students Reporting Much Stronger Abilities and Skills in 1990											
general knowledge.....	30.1	27.9	33.4	30.1	31.6	32.9	33.1	28.5	23.4	23.2	24.6
problem-solving skills.....	14.8	14.2	14.1	15.8	14.3	18.0	12.4	9.5	13.3	13.2	14.4
knowledge of particular field...	39.8	36.2	49.8	36.4	45.5	45.7	45.6	44.9	32.6	32.6	32.4
critical thinking ability.....	21.9	22.2	21.3	21.4	22.4	25.7	19.1	19.0	17.8	16.8	25.4
foreign language ability.....	7.9	11.6	8.6	5.7	6.3	5.7	7.9	6.4	3.5	3.7	2.6
job-related skills.....	17.4	16.5	15.4	19.5	16.2	18.8	19.0	10.5	18.9	19.1	17.1
religious beliefs & convictions.	8.3	6.8	7.0	9.1	9.4	8.7	8.7	10.8	5.6	4.5	13.9
interest in grad/prof school....	29.4	24.2	27.1	33.2	31.0	30.8	33.4	30.1	31.3	29.6	44.1
preparation for grad/prof school	15.1	11.3	14.7	15.2	19.7	20.0	16.3	21.4	15.5	14.1	25.9
leadership abilities.....	14.6	11.2	10.7	18.2	14.8	16.3	12.8	13.6	12.6	10.8	25.4
ability to work independently...	24.5	20.9	22.1	28.5	23.9	25.4	24.0	21.4	27.9	27.1	34.5
interpersonal skills.....	19.8	16.8	19.7	22.5	19.8	19.4	19.3	20.7	19.4	18.6	25.8
cultural awareness.....	24.0	25.8	24.9	20.3	26.6	28.6	25.0	24.2	16.6	15.7	23.1
tolerance of different beliefs..	22.3	20.4	23.1	22.3	24.3	26.3	20.4	23.5	18.4	17.4	25.5
acceptance of dif races/cultures	19.9	17.4	19.9	21.3	20.9	22.3	19.7	19.3	23.2	22.9	25.9
confidence in academic abilities	13.4	10.2	15.2	14.7	14.9	16.7	14.1	12.5	18.8	18.4	21.5
writing skills.....	12.5	12.3	13.7	12.2	12.6	12.3	12.8	13.1	11.5	11.5	11.2
public speaking ability.....	10.9	9.1	6.4	13.2	11.4	12.0	11.6	10.3	14.6	14.0	19.0
competitiveness.....	13.6	12.6	9.1	16.3	12.5	13.7	13.8	9.6	15.9	14.3	27.7
ability to work cooperatively...	14.9	11.1	17.0	18.3	14.1	16.8	14.4	9.7	17.4	16.4	24.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agree Strongly or Somewhat in 1988											
abolish death penalty	19.8	17.7	19.8	17.8	24.9	27.0	24.0	22.1	20.1	20.1	19.9
abortion should be legalized	60.5	65.4	61.2	59.1	56.2	63.7	43.7	51.6	51.3	51.1	53.2
busing OK to achieve balance	51.2	51.1	46.3	51.9	51.9	54.5	55.1	46.0	51.8	50.1	63.8
college increases earning power	67.8	68.1	64.6	72.9	61.9	64.3	63.2	57.5	75.6	75.0	79.4
govt not controlling pollution	85.0	83.2	90.1	85.1	85.4	85.6	86.6	84.3	84.0	83.5	87.7
govt not promoting disarmament	67.3	65.6	64.4	67.7	69.7	70.9	69.5	67.9	72.6	73.5	65.6
govt not protecting consumer	62.2	54.9	64.6	67.4	63.0	63.7	65.0	60.7	69.3	70.4	60.6
increase fed military spending	24.6	20.5	20.2	30.0	23.7	25.5	20.8	22.6	20.5	20.3	22.0
live together before marriage	52.9	58.4	58.1	48.8	50.2	58.5	46.4	39.5	56.5	57.4	49.8
marijuana should be legalized	19.9	21.8	20.2	17.1	21.3	26.8	17.3	15.1	16.2	15.9	18.4
married women best in home	24.6	21.4	13.5	30.0	24.8	26.2	22.8	23.6	31.1	31.3	29.8
nuclear disarmanent attainable	59.3	55.6	57.8	61.5	61.2	61.9	63.7	58.7	60.2	59.9	62.6
prohibit homosexual relations	46.7	44.4	42.7	51.8	44.0	41.8	42.4	48.2	54.5	53.9	59.0
raise taxes to reduce deficit	29.4	32.8	37.3	24.7	29.1	28.1	27.6	31.7	31.0	30.2	36.5
in 1990											
abolish death penalty	22.2	19.7	24.3	21.0	26.3	26.4	27.8	25.3	21.8	22.4	16.6
abortion should be legal	72.6	78.3	75.9	68.5	70.4	78.5	61.7	62.9	67.5	68.1	62.2
busing OK to achieve balance	48.3	46.4	46.9	49.5	49.3	51.0	49.7	46.5	53.6	53.0	58.4
college ban extreme speakers	15.8	16.9	13.8	15.4	15.6	15.3	14.7	16.7	13.7	13.4	16.0
college increases earning power	51.5	51.5	41.2	60.4	42.5	43.5	43.4	40.3	57.7	59.6	43.3
college regulate off-campus acts	8.0	5.6	12.1	8.0	9.4	10.0	6.6	10.3	8.3	8.0	10.4
govt not controlling pollution	86.7	86.3	91.1	84.9	88.1	89.0	84.8	88.6	88.9	88.6	90.5
govt not promoting disarmament	63.3	62.8	59.0	63.5	64.9	64.8	68.1	63.4	67.1	68.3	57.9
govt not protecting consumer	64.8	60.2	55.9	68.9	67.2	68.9	66.1	65.2	73.3	72.4	80.2
increase fed military spending	14.5	10.7	15.8	18.5	13.0	13.1	9.3	15.1	12.7	12.4	14.8
live together before marriage	53.2	59.3	49.9	47.9	54.2	64.7	49.3	40.5	58.0	59.2	48.5
marijuana should be legalized	25.1	30.0	24.4	21.2	25.0	29.6	21.9	19.4	20.3	20.0	23.3
married women best in home	17.6	14.1	12.2	23.0	16.1	16.5	20.1	13.0	23.1	21.4	35.8
national health care plan needed	65.1	60.2	64.8	67.0	68.3	69.2	68.4	66.9	80.9	81.2	78.5
nuclear disarmament attainable	59.9	54.2	58.9	61.6	64.7	67.3	60.8	62.9	66.5	68.1	54.5
prohibit homosexual relations	31.1	26.7	19.7	37.5	31.1	30.3	29.6	33.3	32.7	31.2	44.5
raise taxes to reduce deficit	35.4	38.0	43.5	33.4	32.5	30.4	31.4	36.3	32.8	32.8	32.9
wealthy should pay more taxes	69.2	68.0	68.7	71.6	67.3	67.5	66.5	67.3	75.7	76.5	68.8
Political Orientation in 1988											
far left	2.2	1.7	2.6	2.7	1.9	2.1	2.4	1.3	1.9	1.7	3.3
liberal	23.3	24.8	23.0	21.0	24.6	28.6	24.4	18.6	21.7	21.8	21.3
middle of the road	49.7	52.0	43.8	51.3	46.5	45.8	49.7	45.8	60.8	61.8	54.0
conservative	23.0	18.1	28.6	24.2	25.4	21.6	21.9	33.4	14.6	13.9	19.8
far right	1.8	3.3	2.0	0.7	1.6	1.9	1.6	1.0	1.0	0.9	1.5
Political Orientation in 1990											
far left	1.6	1.9	0.8	1.4	1.9	2.5	1.2	1.3	0.9	0.7	2.1
liberal	26.7	27.7	32.6	21.9	30.1	33.5	23.9	28.3	22.2	23.6	11.7
middle of road	46.8	46.0	39.1	50.9	44.6	44.2	48.8	42.7	59.3	59.4	58.8
conservative	24.4	23.9	27.1	25.2	23.1	19.5	25.9	27.0	17.2	15.9	27.5
far right	0.5	0.4	0.3	0.6	0.4	0.3	0.2	0.7	0.4	0.4	0.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
None											
studying or doing homework	0.9	0.8	0.2	0.7	1.3	1.3	0.0	2.1	4.6	4.9	2.0
socializing with friends	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.2	0.2	0.0
talkling w/teacher outside class	7.7	9.8	4.7	7.2	7.0	8.0	4.4	6.9	8.3	9.1	2.5
exercising or sports	3.4	2.2	1.9	4.5	3.6	3.3	4.3	3.6	4.7	4.5	6.1
partying	12.7	11.6	9.4	13.9	13.5	12.4	8.3	18.5	13.0	13.1	12.1
working (for pay)	27.4	26.7	39.0	23.4	29.9	31.4	24.4	30.8	18.9	18.4	22.5
volunteer work	55.2	53.3	45.2	60.5	53.6	55.0	53.1	51.6	59.4	59.7	57.2
student clubs and groups	28.2	25.8	18.6	34.2	26.1	29.0	23.5	23.0	37.5	39.3	24.1
watching TV	5.4	5.9	9.4	3.8	5.6	5.5	3.2	7.0	4.4	4.4	3.8
hobbies	7.3	8.9	5.3	6.1	7.8	6.9	8.9	8.5	10.5	11.3	5.0
Six or More Hours											
studying or doing homework	74.8	76.2	87.4	71.7	73.5	69.8	77.7	76.9	68.5	68.0	72.7
socializing with friends	93.8	94.2	97.1	92.1	94.6	95.6	96.0	92.0	90.7	90.7	90.2
talkling w/teacher outside class	24.0	20.8	25.0	23.1	28.6	29.2	27.0	28.5	23.9	23.8	25.2
exercising or sports	68.7	68.1	72.8	65.7	72.2	75.7	68.3	69.0	66.9	68.5	55.2
partying	56.9	60.3	61.9	52.3	57.8	60.8	65.4	48.3	61.0	60.2	66.8
working (for pay)	66.4	66.7	55.0	70.6	64.2	62.5	68.5	64.4	77.0	77.6	72.3
volunteer work	13.8	14.5	18.5	10.1	16.4	17.5	14.4	16.0	11.5	11.3	12.7
student clubs and groups	33.9	34.8	35.7	29.9	37.5	35.5	37.9	40.4	25.5	25.1	28.7
watching TV	59.6	56.1	57.7	62.2	60.7	60.0	59.7	62.5	63.3	64.9	51.6
hobbies	53.2	53.6	50.3	51.5	55.9	56.7	50.8	57.7	53.9	53.1	59.6
Sixteen or More Hours											
studying or doing homework	19.4	20.5	29.0	13.3	23.3	21.5	23.9	25.8	12.5	12.2	14.6
socializing with friends	56.0	55.9	59.0	52.1	60.6	61.8	61.3	58.2	58.1	58.4	56.1
talkling w/teacher outside class	2.9	1.8	3.2	3.4	3.6	2.3	1.6	6.7	2.5	2.2	4.7
exercising or sports	30.9	30.9	42.5	27.5	31.5	30.4	30.0	34.2	29.0	30.0	21.6
partying	16.0	14.4	18.5	14.5	19.1	21.5	18.4	15.6	18.8	18.4	21.2
working (for pay)	48.8	50.1	35.7	51.9	47.5	46.9	53.4	45.1	58.1	60.4	41.8
volunteer work	2.6	2.2	5.1	2.1	2.9	2.1	2.4	4.5	0.7	0.3	4.2
student clubs and groups	7.1	8.4	7.6	5.9	7.3	6.7	5.8	9.0	4.1	4.2	3.9
watching TV	15.3	12.5	9.7	19.5	14.7	15.3	12.4	15.0	12.1	11.5	16.8
hobbies	11.9	10.3	9.1	13.8	12.0	11.6	11.8	12.6	15.2	15.7	11.2

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
None											
classes/labs	0.8	0.9	1.1	0.7	0.8	0.7	1.0	0.7	1.1	1.0	1.5
studying/homework	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.9
socializing with friends	0.3	0.3	0.0	0.3	0.4	0.8	0.0	0.0	0.0	0.0	0.0
talking w/faculty outside class	11.0	17.1	8.1	9.9	6.5	7.9	5.4	5.1	9.3	9.8	5.5
exercising/sports	5.8	4.4	4.0	8.2	4.6	5.3	5.2	3.2	6.3	6.7	3.3
reading for pleasure	21.2	21.9	16.3	21.2	21.9	20.1	21.8	24.7	19.9	20.0	18.9
using a personal computer	20.3	22.1	10.5	25.0	14.7	13.9	15.8	15.4	17.7	17.6	18.4
partying	11.7	10.8	8.1	13.0	12.3	11.6	7.3	16.5	15.6	15.5	16.1
working (for pay)	32.8	34.1	32.8	34.0	29.7	32.6	26.8	26.7	27.1	27.6	23.3
volunteer work	62.0	69.6	58.8	61.0	55.4	59.4	55.2	49.2	64.9	66.2	54.9
student clubs/groups	43.0	47.8	34.1	45.9	36.3	39.4	42.1	27.9	54.2	55.1	47.9
watching TV	6.9	6.7	11.2	4.9	8.6	7.9	6.8	10.7	3.4	2.9	7.2
commuting to campus	53.8	47.5	59.6	51.8	62.4	58.6	58.0	70.9	30.4	27.3	54.3
religious services/meetings	47.7	56.1	49.0	44.0	42.4	51.9	33.4	32.7	49.8	51.2	38.9
hobbies	19.3	19.4	24.2	18.5	18.8	17.2	18.3	21.7	16.4	16.6	14.9
Six or More Hours											
classes/labs	89.1	91.0	89.5	86.3	90.5	89.6	90.6	92.0	86.6	86.2	89.3
studying/homework	74.0	76.5	81.1	70.2	73.8	69.7	79.2	77.2	64.3	63.5	70.4
socializing with friends	81.1	79.8	85.5	79.5	83.6	81.7	80.5	88.5	73.6	72.7	80.2
talking w/faculty outside class	2.1	1.7	0.9	2.6	2.5	3.1	1.7	1.9	4.7	4.3	8.2
exercising/sports	29.9	32.3	30.2	24.4	34.6	35.1	31.2	36.0	22.1	21.5	26.6
reading for pleasure	7.7	6.8	8.9	8.6	7.0	7.9	3.8	7.4	10.4	11.0	5.7
using a personal computer	15.1	13.8	20.8	12.6	18.2	19.3	18.0	16.7	19.8	20.1	17.6
partying	33.6	34.3	41.8	30.2	34.8	37.2	40.1	27.9	33.0	33.4	30.3
working (for pay)	57.2	57.4	56.9	57.6	56.4	53.6	60.3	58.5	65.7	65.0	71.3
volunteer work	3.3	3.4	2.5	3.3	3.4	4.0	3.0	2.7	1.5	1.3	2.6
student clubs/groups	10.6	10.8	13.0	9.0	11.7	12.8	8.4	11.8	5.1	5.3	3.9
watching TV	28.9	32.4	19.7	30.9	25.1	27.0	28.7	19.9	30.2	30.6	26.7
commuting to campus	7.4	8.3	5.5	8.1	6.1	8.0	5.6	3.5	22.4	23.7	13.0
religious services/meetings	2.5	1.2	1.3	3.4	3.1	3.0	1.7	4.1	1.7	1.7	2.2
hobbies	12.6	15.1	5.8	13.2	11.0	10.7	10.3	11.8	15.4	14.5	22.2
Sixteen or More Hours											
classes/labs	46.5	46.3	44.9	48.8	44.1	43.5	46.7	43.5	50.3	49.2	58.5
studying/homework	24.2	28.1	30.7	17.8	26.4	23.1	30.1	29.2	17.8	18.7	10.5
socializing with friends	36.0	34.4	36.5	35.3	38.6	40.4	34.6	38.3	29.5	29.5	29.4
talking w/faculty outside class	0.3	0.2	0.0	0.3	0.4	0.8	0.2	0.0	1.1	1.1	0.8
exercising/sports	6.5	5.9	7.7	4.9	9.1	8.6	8.0	10.6	4.2	3.9	6.9
reading for pleasure	1.5	1.9	1.0	1.2	1.4	1.9	0.8	1.0	1.3	1.5	0.0
using a personal computer	2.8	3.1	3.2	2.3	3.2	4.4	2.8	1.5	3.5	3.5	3.9
partying	6.7	9.1	4.8	5.1	6.5	7.6	7.1	4.6	7.7	8.1	4.8
working (for pay)	27.3	32.3	22.6	29.2	20.2	22.3	23.7	14.9	40.1	41.5	29.3
volunteer work	0.6	0.3	0.6	0.5	1.0	1.2	1.1	0.6	0.6	0.5	1.2
student clubs/groups	1.8	1.8	2.3	1.3	2.4	2.5	1.2	2.9	1.6	1.6	1.2
watching TV	5.8	5.8	4.8	6.7	4.9	6.3	3.0	3.8	8.5	9.2	3.2
commuting to campus	1.0	0.6	0.0	1.5	1.0	1.5	0.9	0.4	2.8	2.8	2.6
religious services/meetings	0.4	0.2	0.0	0.5	0.5	0.3	0.3	0.9	0.0	0.0	0.0
hobbies	2.4	2.5	1.2	2.8	2.1	1.3	1.9	3.5	3.1	3.0	3.2

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1988 (9)											
artist (including performer)	8.6	9.9	6.1	8.1	8.8	10.9	8.2	6.0	3.8	3.1	9.5
business	22.1	21.9	23.9	21.7	22.4	22.3	30.6	17.8	26.8	27.0	25.1
clergy or religious worker	0.2	0.1	0.2	0.2	0.6	0.6	0.5	0.7	0.1	0.0	0.8
college teacher	0.4	0.4	0.4	0.4	0.6	0.9	0.2	0.3	0.0	0.0	0.0
doctor (MD or DDS)	5.6	8.6	9.4	2.3	5.5	5.8	4.9	5.2	1.8	1.7	2.3
education (secondary)	4.0	3.3	0.5	5.1	4.6	2.4	4.3	8.0	3.0	3.1	2.5
education (elementary)	5.0	2.7	0.7	8.1	4.8	4.2	4.1	6.2	5.5	5.4	6.4
engineer	7.6	10.5	11.4	5.5	6.0	9.9	2.8	1.7	11.0	11.4	7.7
farmer or forester	0.4	0.1	0.3	0.5	0.5	0.0	0.4	1.5	0.9	0.9	0.5
health professional (non-M.D.)	4.6	5.6	4.3	4.6	3.5	3.1	3.8	4.1	4.1	4.0	5.3
lawyer	5.8	5.4	11.9	4.3	6.3	6.0	7.0	6.3	2.8	2.7	3.9
nurse	1.6	1.6	0.4	2.1	1.3	0.6	1.6	2.0	3.3	3.7	0.0
research scientist	1.8	2.6	2.5	0.9	2.0	2.1	2.5	1.6	2.8	3.1	0.6
other choice	18.8	15.1	16.4	21.8	19.8	21.0	15.4	20.6	26.3	26.1	28.2
undecided	13.3	12.3	11.6	14.4	13.4	10.3	13.7	18.0	7.8	7.8	7.2
Probable Career in 1990 (9)											
artist (including performer)	8.8	11.6	8.1	7.9	6.8	8.2	5.6	5.3	5.9	5.7	7.3
business	22.4	22.9	28.1	20.7	22.4	21.5	31.4	18.5	20.8	20.7	21.6
clergy or religious worker	0.2	0.2	0.2	0.1	0.5	0.3	0.2	1.0	0.1	0.0	1.3
college teacher	1.2	1.1	2.5	0.4	2.0	1.9	1.1	2.5	0.5	0.6	0.0
doctor (MD or DDS)	3.8	6.0	3.6	1.5	4.3	4.3	5.1	3.6	1.1	0.9	2.7
education (secondary)	6.0	4.3	3.2	8.9	5.0	2.8	4.2	8.9	3.5	3.3	4.7
education (elementary)	6.3	5.0	0.9	8.7	6.4	4.5	6.6	9.4	10.8	11.3	7.2
engineer	5.8	7.0	7.8	5.8	3.8	5.5	3.0	1.5	11.6	12.2	6.8
farmer or forester	0.7	0.9	0.5	0.2	1.0	1.0	1.3	0.8	0.9	1.0	0.0
health professional (non-M.D.)	4.2	4.6	4.2	4.7	3.1	2.9	4.0	2.9	3.7	3.8	2.8
lawyer	4.9	4.8	10.1	3.2	5.9	6.3	6.7	4.8	3.7	3.8	3.1
nurse	3.7	4.4	0.7	4.8	2.1	1.1	2.8	3.4	4.5	4.9	1.4
research scientist	2.0	2.2	2.9	1.2	2.5	2.8	1.3	2.7	1.6	1.6	1.0
other choice	22.9	18.6	18.3	26.1	25.3	26.9	18.7	26.8	26.0	24.9	34.9
undecided	7.0	6.5	9.0	5.7	8.9	10.0	7.7	7.8	5.3	5.3	5.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988 (9)											
agriculture	0.7	1.0	0.3	0.7	0.4	0.3	0.0	0.8	2.4	2.6	0.9
biological sciences	4.5	4.9	4.3	3.9	5.0	4.2	6.3	5.3	1.2	1.2	1.0
business	23.4	23.2	26.4	23.9	21.9	20.6	30.7	18.9	29.7	29.8	28.6
education	9.9	5.3	1.8	16.7	9.0	6.8	7.1	13.3	9.7	9.6	10.0
engineering	8.5	12.1	13.1	6.0	6.0	10.1	3.2	1.5	14.0	14.9	7.4
English	1.5	0.8	2.3	1.1	2.8	2.0	2.2	4.1	0.5	0.5	0.7
health professional	7.6	10.0	7.2	6.3	6.5	6.0	7.4	6.7	7.2	7.1	8.4
history or political science	4.6	3.7	10.2	2.8	6.1	6.2	5.1	6.6	1.1	1.2	0.3
humanities	2.7	2.4	3.2	1.3	4.7	5.5	3.3	4.2	2.1	1.9	3.3
fine arts	4.6	5.7	3.4	4.3	4.3	6.5	1.6	2.6	3.7	2.6	12.2
mathematics or statistics	1.1	0.9	1.5	1.4	0.9	0.8	1.0	1.1	0.5	0.5	0.6
physical sciences	2.2	2.8	2.7	1.2	2.7	3.0	2.3	2.5	1.9	2.2	0.0
social sciences	8.0	5.8	4.2	8.9	10.4	10.3	9.0	11.4	3.3	3.0	5.9
other technical	4.6	3.7	3.6	7.0	3.0	2.5	2.2	4.2	7.0	6.9	7.8
other non-technical	8.9	10.1	9.0	7.9	8.7	9.5	11.9	5.7	10.2	10.5	8.0
undecided	7.2	7.5	6.9	6.5	7.6	5.6	6.7	11.2	5.5	5.6	4.8
Major Reported in 1990 (9)											
agriculture	0.9	1.5	0.0	0.8	0.5	0.5	0.0	0.8	2.7	3.0	0.5
biological sciences	4.7	6.2	3.0	3.2	5.4	5.3	5.0	5.9	1.3	1.3	1.5
business	21.8	18.9	23.4	25.0	20.4	17.8	31.2	18.0	22.9	22.3	27.1
education	9.5	7.1	3.1	14.0	8.4	6.0	7.9	12.2	13.2	13.7	9.7
engineering	6.6	8.2	11.0	5.8	4.3	7.1	2.5	1.0	10.5	11.0	6.7
English	2.9	2.9	5.0	1.6	4.0	3.2	5.1	4.6	1.2	1.4	0.0
health professional	6.1	7.5	4.7	6.8	4.1	3.2	6.2	4.2	6.1	6.3	4.8
history or political science	6.5	6.0	13.4	4.1	8.3	9.1	7.3	7.6	2.6	2.4	4.0
humanities	3.6	3.7	8.0	1.8	4.4	4.2	3.7	5.2	1.6	1.1	5.2
fine arts	6.5	6.7	4.5	6.7	6.4	8.3	5.1	4.3	3.7	3.0	8.7
mathematics or statistics	1.4	1.6	0.9	1.3	1.4	1.2	1.4	1.8	0.4	0.3	0.9
physical sciences	2.2	2.2	2.7	1.4	3.4	3.3	2.4	4.0	1.6	1.8	0.0
social sciences	11.3	10.2	9.8	10.6	13.9	12.5	11.9	17.1	9.5	9.5	8.9
other technical	4.3	3.7	2.1	5.9	3.6	3.1	1.7	5.3	8.8	9.3	4.9
other non-technical	9.7	10.3	7.8	8.9	10.8	14.5	7.5	6.8	12.7	12.7	13.3
undecided	2.0	3.3	0.6	2.0	0.9	0.7	0.9	1.3	1.1	0.8	3.8

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
College Objectives Noted as Being of High Priority											
allow airing of diff opinions...	30.1	30.2	29.1	28.0	33.3	35.7	29.6	31.7	25.5	25.6	24.4
conduct basic & applied research	25.6	47.9	31.8	14.1	13.4	16.3	9.6	10.9	23.8	25.8	9.0
create multi-cultural environ...	26.7	28.5	25.5	25.3	26.8	26.7	27.6	26.6	21.7	22.2	17.8
create positive undergrad exp...	43.9	39.5	46.4	40.8	52.5	49.4	56.4	55.1	39.7	39.5	40.7
devel apprec of multi-cultrl soc	24.3	24.4	25.1	21.7	27.5	27.9	28.9	26.1	20.5	21.2	15.1
devel community among fac/stdnts	28.8	16.2	29.1	28.3	43.8	41.8	49.5	43.6	28.3	26.8	39.4
devel leadership abil in stdnts.	28.9	20.4	23.4	31.5	36.9	38.9	36.1	34.1	24.5	23.1	34.2
devel leadership ability in fac.	15.9	15.2	14.0	15.4	17.8	18.5	18.5	16.3	18.6	18.7	18.0
economize and cut costs.....	25.0	28.2	19.9	27.7	19.4	21.3	18.2	17.3	26.5	26.6	26.3
enhance inst's national image...	45.2	47.2	67.0	36.7	47.3	46.8	47.4	48.1	34.0	33.7	36.2
facilitate cmty svcs involvement	17.0	10.6	20.4	15.1	26.0	24.1	30.6	26.2	14.9	14.5	17.7
help solve soc/environ problems.	17.0	16.6	16.0	15.3	20.0	23.2	15.3	17.6	23.5	24.5	16.4
help students understand values.	27.7	18.3	30.2	24.4	42.4	38.1	50.3	44.4	26.4	24.2	42.9
hire faculty "stars".....	7.7	11.1	13.2	3.9	7.0	7.8	4.8	7.1	6.0	5.9	6.7
increase minorities in fac/admin	23.3	25.4	16.3	24.8	21.0	24.2	15.7	19.0	18.5	18.8	16.2
increase women in fac/admin.....	13.1	10.1	14.1	12.4	17.1	21.5	19.4	8.9	14.5	14.4	15.6
increase/maintain inst prestige.	52.1	53.8	74.1	39.3	60.7	59.3	59.1	63.7	38.7	38.0	43.8
promote intellectual development	55.2	50.6	58.1	50.5	66.0	61.1	72.6	69.7	44.9	45.4	40.7
raise money for the institution.	43.6	50.1	62.6	28.7	50.2	49.1	51.6	51.1	31.5	30.4	39.6
recruit more minority students..	25.4	28.5	21.1	23.8	25.1	25.5	22.8	26.0	23.4	24.5	15.0
teach students how to change soc	16.3	13.4	16.0	15.6	20.7	24.0	16.6	17.8	20.3	20.7	17.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Religious Affiliation in 1988											
Baptist	14.8	11.2	7.5	20.5	13.8	14.8	1.4	19.6	12.5	12.1	15.4
Buddhist	0.7	1.4	0.1	0.3	0.5	0.1	0.0	1.5	0.0	0.0	0.0
Congregational (UCC)	1.0	0.8	1.0	0.6	1.9	2.3	1.2	1.6	1.0	1.1	0.3
Eastern Orthodox	0.4	0.6	1.1	0.2	0.4	0.4	0.5	0.4	0.7	0.7	0.5
Episcopal	2.6	2.1	5.8	1.6	3.4	3.6	1.3	4.2	2.4	2.1	5.0
Islamic	0.2	0.0	0.2	0.0	0.7	1.2	0.0	0.2	0.0	0.0	0.0
Jewish	3.3	3.7	10.0	1.6	3.0	5.5	0.4	0.5	3.2	3.4	1.2
Latter Day Saints (Mormon)	0.2	0.2	0.3	0.4	0.1	0.0	0.0	0.3	0.0	0.0	0.0
Lutheran	7.4	10.2	3.0	6.9	6.1	2.6	3.2	13.4	8.1	8.0	8.8
Methodist	8.0	7.8	4.3	9.1	7.8	7.4	5.6	9.7	7.2	7.2	6.8
Presbyterian	6.0	7.3	7.3	4.3	6.2	5.7	2.4	9.4	4.9	5.1	3.0
Quaker (Society of Friends)	0.2	0.4	0.0	0.0	0.2	0.3	0.0	0.2	0.1	0.0	0.6
Roman Catholic	32.2	26.7	39.2	36.1	31.1	25.3	73.9	15.1	41.3	42.3	34.7
Seventh Day Adventist	0.2	0.3	0.0	0.1	0.1	0.1	0.2	0.0	0.2	0.2	0.0
other Protestant	5.1	4.6	4.1	4.0	7.5	8.2	0.8	10.2	5.2	5.2	5.3
other religion	5.1	5.2	2.8	5.1	5.8	7.1	2.1	5.9	7.1	6.6	11.3
none	12.8	17.8	13.2	9.2	11.5	15.5	7.2	7.8	6.2	6.1	7.0
Religious Affiliation in 1990											
Baptist	15.1	8.2	9.0	24.1	12.9	14.5	1.2	17.5	8.9	7.9	16.0
Buddhist	0.6	1.6	0.5	0.2	0.2	0.1	0.0	0.4	0.3	0.4	0.0
Congregational (UCC)	1.0	0.6	0.8	1.1	1.4	1.7	0.4	1.5	1.3	1.5	0.3
Eastern Orthodox	0.5	0.5	0.9	0.3	0.6	0.4	0.4	1.1	0.1	0.2	0.0
Episcopal	3.2	3.8	6.3	1.7	3.4	4.0	1.2	3.6	2.5	2.3	4.2
Islamic	0.1	0.0	0.0	0.0	0.3	0.4	0.0	0.2	0.2	0.2	0.6
Jewish	3.5	4.0	10.3	1.7	3.2	5.8	0.1	0.9	2.9	3.2	1.2
Latter Day Saints (Mormon)	0.2	0.2	0.5	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Lutheran	6.9	9.6	2.8	6.3	5.8	2.3	2.9	12.9	7.0	6.8	8.5
Methodist	7.4	8.0	3.9	7.7	7.3	7.7	4.0	8.7	7.2	7.2	6.9
Presbyterian	5.1	5.8	6.8	3.9	5.3	4.9	3.8	6.8	5.9	5.4	9.8
Quaker (Society of Friends)	0.2	0.1	0.3	0.0	0.4	0.7	0.0	0.3	0.1	0.1	0.0
Roman Catholic	31.3	27.4	38.0	33.6	30.8	25.9	70.4	14.9	41.8	43.6	27.7
Seventh Day Adventist	0.1	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.0
other Protestant	6.6	7.8	2.7	4.7	9.2	9.9	1.3	12.8	4.4	3.9	8.5
other religion	4.2	4.7	3.3	3.1	5.3	6.9	2.3	4.7	7.2	7.2	7.3
none	14.0	17.4	13.5	11.1	13.9	15.0	11.8	13.5	10.0	10.1	9.2

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
Studying or Doing Homework											
none	0.9	0.8	0.2	0.7	1.3	1.3	0.0	2.1	4.6	4.9	2.0
less than one	7.7	10.9	2.8	6.8	6.8	7.3	5.4	6.9	9.8	10.5	4.8
1-2	16.6	12.2	9.6	20.8	18.4	21.6	16.8	14.1	17.0	16.6	20.5
3-5	30.9	30.5	32.1	33.8	27.0	27.0	27.0	27.2	26.2	25.3	33.1
6-10	24.5	25.2	26.3	24.6	23.1	21.3	26.8	24.0	29.9	30.5	25.0
11-15	10.7	11.5	15.1	7.1	13.1	11.1	15.8	14.9	8.9	8.8	9.9
16-20	5.3	5.8	8.4	3.3	6.2	6.1	6.0	6.4	2.8	2.8	2.9
more than 20	3.5	3.3	5.5	2.8	4.0	4.4	2.1	4.5	0.7	0.6	1.8
Socializing with Friends											
none	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.2	0.2	0.0
less than one	1.2	0.6	0.0	1.7	1.5	1.8	0.3	1.9	1.2	1.3	0.6
1-2	5.0	5.2	2.9	6.2	3.8	2.5	3.7	5.7	7.9	7.7	9.2
3-5	14.9	13.8	11.8	17.2	14.3	14.9	14.5	13.1	11.2	11.0	12.8
6-10	22.8	24.4	26.4	22.8	19.7	18.9	20.2	20.7	21.3	21.4	21.2
11-15	20.3	21.3	23.6	18.7	20.2	21.1	19.2	19.4	17.4	16.1	26.5
16-20	15.2	14.6	21.2	14.8	14.3	13.6	17.4	13.5	14.5	14.6	13.7
more than 20	20.6	20.0	14.1	18.5	26.1	27.2	24.8	25.3	26.2	27.7	16.0
Talking w/Teacher Outside Class											
none	7.7	9.8	4.7	7.2	7.0	8.0	4.4	6.9	8.3	9.1	2.5
less than one	34.9	35.7	34.9	37.3	30.7	28.7	33.7	32.2	33.0	31.9	41.3
1-2	33.4	33.6	35.4	32.4	33.7	34.1	34.8	32.4	34.7	35.3	31.1
3-5	16.0	14.3	18.8	15.5	17.7	18.5	18.4	16.0	15.8	16.2	13.1
6-10	5.1	4.7	3.0	4.2	7.3	8.4	7.0	5.8	5.6	5.4	7.3
11-15	1.5	1.1	3.2	1.6	1.2	1.3	1.0	1.2	1.0	0.7	3.4
16-20	0.6	0.6	0.0	0.9	0.3	0.3	0.3	0.4	0.9	1.1	0.0
more than 20	0.9	0.2	0.0	0.8	2.0	0.8	0.3	5.1	0.5	0.4	1.3
Exercising or Sports											
none	3.4	2.2	1.9	4.5	3.6	3.3	4.3	3.6	4.7	4.5	6.1
less than one	10.0	11.4	5.8	11.1	8.3	6.7	11.3	9.0	9.7	10.1	6.9
1-2	17.9	18.3	19.4	18.7	15.9	14.3	16.1	18.3	18.8	17.0	31.9
3-5	21.1	18.1	16.2	23.4	22.8	26.9	18.6	18.6	20.5	20.5	20.5
6-10	16.8	19.1	14.1	14.7	17.9	18.3	19.7	16.1	17.4	18.0	13.0
11-15	14.1	15.1	19.0	12.4	13.7	13.7	12.0	14.6	12.8	13.5	8.1
16-20	7.5	7.3	13.8	6.7	6.6	5.9	8.2	6.8	6.4	6.6	5.5
more than 20	9.3	8.5	9.7	8.4	11.2	10.8	9.8	12.8	9.7	9.9	8.0
Partying											
none	12.7	11.6	9.4	13.9	13.5	12.4	8.3	18.5	13.0	13.1	12.1
less than one	13.7	13.1	12.6	16.0	11.6	8.8	12.0	16.0	10.0	10.0	9.9
1-2	16.6	15.1	16.1	17.7	17.0	18.0	14.4	17.2	16.1	16.8	11.1
3-5	23.3	27.2	22.7	21.9	20.9	20.7	21.6	20.9	20.8	19.6	29.5
6-10	17.6	18.6	20.7	15.9	17.7	18.6	25.3	11.8	21.4	22.1	16.1
11-15	7.9	6.6	12.7	6.4	10.0	11.2	10.1	8.1	8.7	8.5	10.3
16-20	3.9	4.5	3.5	3.1	4.4	5.5	3.9	2.9	4.7	4.7	4.6
more than 20	4.2	3.3	2.3	5.0	4.7	4.8	4.4	4.6	5.3	5.2	6.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
Working (For Pay)											
none	27.4	26.7	39.0	23.4	29.9	31.4	24.4	30.8	18.9	18.4	22.5
less than one	2.9	3.5	1.3	3.2	2.5	2.1	3.0	2.7	1.4	1.5	0.9
1-2	3.2	3.1	4.7	2.8	3.4	4.0	4.1	2.1	2.8	2.5	4.3
3-5	7.6	7.4	9.4	8.6	6.0	5.1	5.4	7.9	6.6	5.8	12.5
6-10	10.0	9.3	9.9	10.1	10.6	10.5	9.8	11.4	12.2	11.4	18.0
11-15	11.7	12.9	10.3	11.0	11.9	12.1	13.4	10.6	14.3	15.3	7.5
16-20	16.4	18.0	12.0	16.7	15.7	15.1	17.4	15.6	20.4	21.0	15.7
more than 20	20.6	19.2	13.5	24.1	19.9	19.6	22.6	18.8	23.4	24.1	18.6
Volunteer Work											
none	55.2	53.3	45.2	60.5	53.6	55.0	53.1	51.6	59.4	59.7	57.2
less than one	15.3	17.4	13.6	14.6	14.2	12.1	14.4	17.5	16.5	16.9	13.7
1-2	15.7	14.9	22.7	14.8	15.7	15.4	18.0	14.9	12.6	12.1	16.5
3-5	8.4	9.8	9.9	5.8	9.7	11.0	9.1	8.0	7.7	7.9	6.5
6-10	2.8	2.5	3.4	2.2	3.8	4.3	3.0	3.5	3.0	3.2	2.0
11-15	1.3	1.3	3.4	0.6	1.6	0.5	0.5	3.9	0.4	0.3	1.3
16-20	0.3	0.3	0.2	0.1	0.5	0.6	0.8	0.2	0.0	0.0	0.0
more than 20	1.0	0.6	1.6	1.3	0.8	1.0	1.1	0.4	0.3	0.0	2.9
Student Clubs and Groups											
none	28.2	25.8	18.6	34.2	26.1	29.0	23.5	23.0	37.5	39.3	24.1
less than one	12.2	12.6	14.2	12.5	10.6	10.0	10.0	12.0	11.3	10.1	20.5
1-2	25.7	26.8	31.4	23.4	25.8	25.4	28.6	24.6	25.7	25.5	26.7
3-5	18.0	18.4	18.5	16.1	20.0	19.0	19.2	22.0	14.9	14.4	18.1
6-10	8.7	8.0	9.6	7.9	10.3	9.8	12.9	9.4	6.5	6.5	6.6
11-15	3.3	3.8	3.3	3.0	3.2	3.4	2.2	3.5	1.8	1.6	3.1
16-20	1.9	2.5	1.6	1.5	1.9	1.4	1.9	2.8	0.3	0.3	0.3
more than 20	1.9	2.1	2.7	1.3	2.1	1.9	1.7	2.7	2.0	2.2	0.5
Watching TV											
none	5.4	5.9	9.4	3.8	5.6	5.5	3.2	7.0	4.4	4.4	3.8
less than one	13.9	16.0	12.8	13.6	12.2	11.9	13.2	12.0	12.1	10.7	22.5
1-2	21.2	22.0	20.1	20.4	21.5	22.5	23.9	18.5	20.2	20.0	22.0
3-5	25.7	25.5	24.5	24.3	28.3	29.4	29.9	25.6	31.8	32.7	25.7
6-10	18.5	18.1	23.4	18.3	17.7	15.3	17.4	21.9	19.3	20.8	9.1
11-15	7.7	6.7	6.9	9.2	7.2	6.7	6.1	8.5	5.2	4.8	8.3
16-20	2.5	2.3	0.8	3.2	2.6	3.6	2.0	1.4	3.1	2.9	4.7
more than 20	5.0	3.5	2.0	7.1	4.9	5.0	4.2	5.0	3.8	3.8	3.8
Hobbies											
none	7.3	8.9	5.3	6.1	7.8	6.9	8.9	8.5	10.5	11.3	5.0
less than one	13.6	12.0	14.8	16.1	11.8	11.7	12.7	11.3	15.0	15.1	13.8
1-2	25.8	25.5	29.6	26.3	24.5	24.7	27.5	22.5	20.6	20.5	21.6
3-5	26.5	30.3	25.3	22.6	27.5	25.8	27.9	30.0	27.1	26.7	30.2
6-10	14.9	13.1	15.9	15.1	16.4	19.2	11.1	15.1	11.6	10.8	18.2
11-15	5.6	4.7	5.8	6.4	5.5	5.6	5.6	5.2	3.9	4.1	2.9
16-20	2.3	1.9	1.3	2.9	2.4	2.1	3.6	2.1	4.6	4.6	4.6
more than 20	3.9	3.6	2.0	4.5	4.1	3.9	2.7	5.4	6.6	7.0	3.6

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Classes or Labs											
none	0.8	0.9	1.1	0.7	0.8	0.7	1.0	0.7	1.1	1.0	1.5
less than one	1.1	0.2	0.5	2.6	0.2	0.2	0.1	0.2	0.3	0.3	0.0
1-2	3.0	2.5	2.2	4.2	2.3	2.6	2.2	1.7	4.6	4.7	3.2
3-5	6.0	5.4	6.7	6.2	6.3	6.9	6.1	5.4	7.5	7.7	6.0
6-10	10.0	8.6	7.2	9.8	13.0	13.0	11.5	13.8	12.3	12.7	9.1
11-15	32.6	36.1	37.4	27.7	33.4	33.0	32.4	34.7	24.0	24.3	21.7
16-20	32.8	33.0	35.6	33.3	31.0	28.7	33.3	33.1	29.3	27.5	43.2
more than 20	13.7	13.3	9.4	15.6	13.1	14.8	13.4	10.4	21.0	21.7	15.3
Studying or Homework											
none	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.9
less than one	0.7	0.6	0.3	1.1	0.6	0.5	1.1	0.4	1.4	1.4	1.7
1-2	4.3	2.0	5.3	5.3	5.2	6.5	4.6	3.6	7.4	7.8	3.9
3-5	20.9	20.6	13.2	23.3	20.4	23.4	15.2	18.8	26.8	27.3	23.2
6-10	30.3	29.1	26.1	33.1	29.2	28.8	30.1	29.3	27.3	24.7	47.2
11-15	19.5	19.4	24.3	19.3	18.3	17.8	19.0	18.7	19.2	20.1	12.6
16-20	12.8	15.7	15.4	10.0	12.3	10.1	13.6	14.9	11.3	12.0	5.7
more than 20	11.4	12.4	15.4	7.8	14.1	13.0	16.5	14.3	6.5	6.7	4.9
Socializing with Friends											
none	0.3	0.3	0.0	0.3	0.4	0.8	0.0	0.0	0.0	0.0	0.0
less than one	0.8	1.4	0.0	0.7	0.2	0.3	0.5	0.1	1.2	1.3	0.7
1-2	4.0	4.3	3.3	4.9	2.8	3.2	2.9	2.1	6.9	6.9	7.0
3-5	13.8	14.2	11.2	14.6	12.9	14.0	16.2	9.3	18.2	19.0	12.2
6-10	25.8	26.9	26.2	25.8	24.6	23.3	25.1	26.4	27.6	27.5	27.9
11-15	19.3	18.5	22.9	18.4	20.4	18.0	20.8	23.8	16.5	15.7	22.9
16-20	13.4	12.9	14.5	13.6	13.3	12.6	10.6	15.8	10.7	11.0	8.3
more than 20	22.6	21.5	21.9	21.6	25.4	27.7	24.0	22.5	18.8	18.5	21.1
Talking w/Faculty Outside Class											
none	11.0	17.1	8.1	9.9	6.5	7.9	5.4	5.1	9.3	9.8	5.5
less than one	45.9	51.1	50.5	44.9	39.5	40.5	38.7	38.5	42.2	44.5	24.0
1-2	30.2	24.1	35.8	28.5	37.9	34.8	38.9	42.3	30.3	28.7	43.0
3-5	10.7	6.0	4.7	14.1	13.6	13.8	15.4	12.2	13.5	12.8	19.3
6-10	1.7	1.3	0.9	2.2	1.8	1.9	1.3	1.9	2.1	1.6	5.6
11-15	0.2	0.2	0.0	0.1	0.2	0.4	0.3	0.0	1.6	1.5	1.8
16-20	0.1	0.0	0.0	0.1	0.4	0.7	0.2	0.0	0.8	0.8	0.8
more than 20	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.4	0.0
Exercising or Sports											
none	5.8	4.4	4.0	8.2	4.6	5.3	5.2	3.2	6.3	6.7	3.3
less than one	11.8	9.9	13.4	14.5	9.8	9.3	11.2	9.7	10.7	10.2	14.0
1-2	21.7	23.9	17.3	21.7	20.6	20.3	21.8	20.5	29.9	30.0	29.2
3-5	30.7	29.4	35.1	31.1	30.3	30.1	30.6	30.6	31.0	31.6	26.9
6-10	16.3	19.6	19.0	13.1	16.2	16.1	16.9	16.0	12.2	12.1	12.8
11-15	7.1	6.9	3.5	6.5	9.3	10.4	6.3	9.4	5.7	5.5	6.9
16-20	2.8	2.5	4.2	1.4	4.6	3.8	3.4	6.7	2.0	1.8	3.8
more than 20	3.7	3.4	3.5	3.5	4.5	4.8	4.6	3.9	2.2	2.0	3.1

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Reading for Pleasure											
none	21.2	21.9	16.3	21.2	21.9	20.1	21.8	24.7	19.9	20.0	18.9
less than one	30.4	30.5	38.9	28.8	29.8	27.3	31.7	32.7	21.1	21.1	21.8
1-2	26.3	25.7	20.8	27.7	26.7	27.7	28.6	23.9	31.0	30.4	35.2
3-5	14.4	15.0	15.2	13.7	14.6	16.9	14.1	11.4	17.7	17.6	18.3
6-10	4.8	3.1	6.3	5.9	4.8	4.9	2.5	6.0	7.5	8.1	3.1
11-15	1.4	1.8	1.6	1.5	0.8	1.1	0.6	0.3	1.5	1.4	2.6
16-20	1.0	1.3	0.8	0.9	0.8	1.2	0.6	0.3	0.3	0.4	0.0
more than 20	0.5	0.6	0.2	0.3	0.6	0.7	0.2	0.7	1.0	1.1	0.0
Using a Personal Computer											
none	20.3	22.1	10.5	25.0	14.7	13.9	15.8	15.4	17.7	17.6	18.4
less than one	23.1	25.8	27.2	23.6	17.8	14.7	18.9	21.9	22.4	23.4	14.7
1-2	21.7	21.9	19.0	21.0	23.3	24.7	25.6	19.7	24.7	24.3	27.5
3-5	19.9	16.3	22.5	17.9	26.0	27.4	21.7	26.3	15.4	14.6	21.7
6-10	9.4	7.9	14.4	7.9	11.5	10.6	12.8	12.0	10.6	11.1	6.9
11-15	2.9	2.8	3.1	2.3	3.6	4.3	2.4	3.2	5.6	5.5	6.8
16-20	1.2	1.5	1.7	0.8	1.4	2.0	0.8	0.8	1.0	0.6	3.9
more than 20	1.6	1.6	1.5	1.5	1.8	2.4	2.0	0.7	2.6	2.9	0.0
Partying											
none	11.7	10.8	8.1	13.0	12.3	11.6	7.3	16.5	15.6	15.5	16.1
less than one	11.5	13.3	7.3	12.9	8.7	7.4	8.5	11.0	11.4	12.0	6.7
1-2	16.8	15.9	18.0	17.8	16.2	16.2	16.9	15.7	13.8	12.6	22.9
3-5	26.4	25.8	24.8	26.1	28.0	27.7	27.2	28.9	26.2	26.5	24.1
6-10	19.9	17.9	30.7	18.8	20.2	20.3	23.8	17.7	13.7	14.0	11.0
11-15	7.1	7.2	6.3	6.3	8.1	9.3	9.2	5.5	11.7	11.3	14.5
16-20	4.0	6.4	3.6	2.9	2.7	2.4	3.8	2.7	1.9	2.1	0.4
more than 20	2.7	2.8	1.2	2.1	3.8	5.2	3.3	1.9	5.8	6.0	4.4
Working (For Pay)											
none	32.8	34.1	32.8	34.0	29.7	32.6	26.8	26.7	27.1	27.6	23.3
less than one	1.4	1.9	0.7	1.1	1.6	1.8	1.5	1.3	1.2	1.2	1.7
1-2	2.5	1.9	3.1	2.6	2.7	1.9	2.9	3.9	3.0	3.1	2.0
3-5	6.1	4.7	6.5	4.6	9.6	10.0	8.5	9.6	3.0	3.2	1.7
6-10	15.8	10.5	18.4	15.0	22.3	18.9	22.8	27.3	12.5	11.2	22.4
11-15	14.1	14.7	15.9	13.4	13.9	12.3	13.8	16.3	13.1	12.3	19.6
16-20	11.6	14.0	10.5	11.5	9.3	10.9	10.3	6.2	17.2	18.1	10.4
more than 20	15.7	18.3	12.1	17.7	10.9	11.4	13.4	8.7	22.9	23.4	18.9
Volunteer Work											
none	62.0	69.6	58.8	61.0	55.4	59.4	55.2	49.2	64.9	66.2	54.9
less than one	14.0	10.5	18.3	15.4	14.6	12.9	18.5	15.1	14.1	13.5	18.9
1-2	14.1	10.4	12.7	15.1	17.7	15.7	14.9	22.4	11.9	11.0	18.2
3-5	6.6	6.1	7.7	5.2	8.9	8.1	8.5	10.5	7.7	8.0	5.4
6-10	2.0	2.8	1.5	1.7	1.7	2.0	1.9	0.9	0.5	0.4	1.4
11-15	0.7	0.3	0.4	1.1	0.8	0.8	0.0	1.2	0.4	0.4	0.0
16-20	0.2	0.3	0.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.0
more than 20	0.4	0.1	0.6	0.4	0.6	0.7	0.7	0.3	0.4	0.3	1.2

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Student Clubs/Groups											
none	43.0	47.8	34.1	45.9	36.3	39.4	42.1	27.9	54.2	55.1	47.9
less than one	12.0	10.7	12.9	12.9	11.8	9.7	14.8	13.6	10.3	10.7	7.2
1-2	18.8	17.1	24.6	16.5	22.1	21.6	21.2	23.6	19.2	18.0	28.2
3-5	15.6	13.6	15.5	15.7	18.1	16.6	13.5	23.1	11.1	10.9	12.8
6-10	6.7	7.0	8.0	5.6	7.4	8.2	5.5	7.2	2.9	3.0	1.7
11-15	2.1	2.0	2.7	2.0	1.9	2.1	1.7	1.7	0.7	0.7	1.0
16-20	0.9	0.9	1.0	0.6	1.3	1.1	0.7	1.8	0.2	0.2	0.0
more than 20	0.9	0.9	1.3	0.7	1.1	1.4	0.5	1.1	1.4	1.4	1.2
Watching TV											
none	6.9	6.7	11.2	4.9	8.6	7.9	6.8	10.7	3.4	2.9	7.2
less than one	14.1	15.1	23.3	9.7	15.8	13.1	16.4	19.8	14.5	14.5	14.3
1-2	20.8	20.6	20.7	20.5	21.5	21.2	22.0	21.7	25.0	25.5	20.6
3-5	29.3	25.2	25.1	34.1	29.0	30.8	26.1	27.9	26.9	26.3	31.2
6-10	17.0	18.7	11.5	18.9	14.3	13.5	20.4	12.1	17.5	16.9	21.7
11-15	6.1	7.9	3.5	5.3	5.8	7.2	5.3	4.0	4.2	4.5	1.9
16-20	2.8	3.0	3.3	3.0	2.2	2.4	1.7	2.2	3.2	3.5	1.4
more than 20	3.0	2.9	1.4	3.7	2.7	3.9	1.3	1.6	5.3	5.8	1.8
Commuting to Campus											
none	53.8	47.5	59.6	51.8	62.4	58.6	58.0	70.9	30.4	27.3	54.3
less than one	14.2	19.1	17.0	11.9	10.8	9.1	8.8	14.8	10.4	10.8	7.2
1-2	13.1	13.9	9.2	15.2	10.6	13.5	12.8	4.8	15.2	16.2	8.0
3-5	11.4	11.3	8.7	13.0	10.0	10.7	14.8	5.9	21.6	22.1	17.5
6-10	5.6	6.6	5.1	6.0	4.3	5.3	3.9	2.8	18.7	20.0	8.6
11-15	0.8	1.1	0.4	0.6	0.8	1.2	0.7	0.3	1.0	0.9	1.9
16-20	0.4	0.2	0.0	0.6	0.4	0.9	0.0	0.0	1.7	1.6	2.1
more than 20	0.6	0.4	0.0	0.9	0.6	0.6	0.9	0.4	1.1	1.2	0.5
Religious Services or Meetings											
none	47.7	56.1	49.0	44.0	42.4	51.9	33.4	32.7	49.8	51.2	38.9
less than one	18.3	17.9	19.3	18.6	17.9	13.1	26.5	20.2	19.7	19.6	20.8
1-2	26.6	21.6	26.5	29.2	29.1	25.1	35.4	31.5	25.8	25.8	25.5
3-5	4.9	3.2	3.9	4.7	7.6	6.8	2.9	11.6	3.0	1.7	12.6
6-10	2.0	0.9	1.3	2.8	2.3	2.5	1.4	2.5	1.7	1.7	1.8
11-15	0.2	0.1	0.0	0.1	0.3	0.2	0.1	0.7	0.1	0.0	0.5
16-20	0.2	0.1	0.0	0.5	0.1	0.2	0.2	0.0	0.0	0.0	0.0
more than 20	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.9	0.0	0.0	0.0
Hobbies											
none	19.3	19.4	24.2	18.5	18.8	17.2	18.3	21.7	16.4	16.6	14.9
less than one	20.6	19.7	21.1	21.8	19.8	15.9	24.8	22.9	21.3	21.4	20.4
1-2	26.7	27.2	29.8	25.3	27.1	28.2	27.1	25.4	29.1	29.5	26.2
3-5	20.8	18.6	19.1	21.2	23.3	28.0	19.5	18.2	17.7	17.9	16.3
6-10	7.9	10.5	3.8	7.8	6.5	6.5	5.7	6.9	8.5	7.2	18.1
11-15	2.3	2.1	0.8	2.7	2.4	2.8	2.7	1.5	3.9	4.3	0.9
16-20	1.0	1.0	0.3	0.9	1.5	0.8	0.8	2.9	0.4	0.2	2.1
more than 20	1.4	1.6	0.9	1.9	0.6	0.5	1.1	0.6	2.6	2.8	1.1

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1988											
accountant or actuary	5.6	4.4	4.0	7.5	5.1	5.4	7.2	3.4	7.3	7.1	8.4
actor or entertainer	1.6	1.8	1.1	1.5	1.6	2.7	1.1	0.4	0.5	0.5	0.2
architect or urban planner	0.9	0.7	1.4	1.0	0.9	1.3	0.6	0.5	3.7	3.1	7.7
artist	1.9	1.3	0.5	2.1	2.8	4.8	0.3	1.0	0.9	0.3	5.7
business (clerical)	0.5	0.4	0.6	1.0	0.1	0.1	0.0	0.0	1.1	1.1	1.0
business executive (management)	12.4	12.7	15.7	11.4	12.5	13.0	14.2	10.7	11.2	10.8	14.5
business owner or proprietor	3.1	3.9	3.6	1.9	3.5	2.7	6.4	2.9	6.9	7.5	2.2
business salesperson or buyer	1.0	0.9	0.7	0.9	1.4	1.1	2.8	0.9	1.4	1.6	0.0
clergy (minister,priest)	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.2	0.0	0.0	0.4
clergy (other religious)	0.1	0.0	0.0	0.1	0.4	0.4	0.2	0.5	0.0	0.0	0.4
clinical psychologist	2.7	2.2	1.6	2.4	4.1	2.6	3.7	6.8	1.3	1.2	2.5
college teacher	0.4	0.4	0.4	0.4	0.6	0.9	0.2	0.3	0.0	0.0	0.0
computer programmer or analyst	2.6	2.4	1.6	3.0	2.7	2.8	1.4	3.2	2.6	2.2	5.4
conservationist or forester	0.2	0.1	0.0	0.3	0.4	0.0	0.3	1.2	0.2	0.2	0.0
dentist (including orthodontist)	0.7	1.2	0.9	0.3	0.7	0.4	0.7	1.3	0.0	0.0	0.0
dietitian or home economist	0.1	0.2	0.0	0.1	0.1	0.0	0.6	0.0	0.4	0.4	0.0
engineer	7.6	10.5	11.4	5.5	6.0	9.9	2.8	1.7	11.0	11.4	7.7
farmer or rancher	0.1	0.0	0.3	0.2	0.1	0.0	0.1	0.3	0.7	0.7	0.5
foreign service worker	1.0	0.6	4.3	0.4	1.1	0.9	1.1	1.6	0.8	0.9	0.0
homemaker (full-time)	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
interior decorator or designer	0.6	0.8	0.6	0.2	0.8	0.4	2.5	0.5	0.3	0.0	3.0
interpretor (translator)	0.4	0.3	0.5	0.6	0.3	0.4	0.2	0.0	0.0	0.0	0.0
lab technician or hygienist	0.4	0.5	0.0	0.3	0.3	0.1	0.5	0.4	0.0	0.0	0.0
law enforcement officer	0.3	0.0	0.4	0.6	0.4	0.2	0.8	0.3	2.1	2.3	0.8
lawyer (attorney) or judge	5.8	5.4	11.9	4.3	6.3	6.0	7.0	6.3	2.8	2.7	3.9
military service (career)	0.7	0.6	0.9	0.8	0.6	1.0	0.4	0.1	0.1	0.2	0.0
musician (performer,composer)	1.1	1.0	2.0	1.4	0.5	0.6	0.3	0.5	0.7	0.8	0.0
nurse	1.6	1.6	0.4	2.1	1.3	0.6	1.6	2.0	3.3	3.7	0.0
optometrist	0.4	0.5	0.3	0.5	0.1	0.2	0.2	0.0	0.0	0.0	0.0
pharmacist	1.2	1.4	1.3	1.4	0.7	0.8	0.7	0.7	0.5	0.3	1.4
physician	4.9	7.4	8.4	2.0	4.7	5.4	4.2	3.9	1.8	1.7	2.3
school counselor	0.4	0.4	0.0	0.3	0.6	0.5	0.8	0.6	0.1	0.2	0.0
school principal/superintendent	0.1	0.0	0.0	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0
scientific researcher	1.8	2.6	2.5	0.9	2.0	2.1	2.5	1.6	2.8	3.1	0.6
social,welfare,recreation worker	2.3	0.7	0.2	4.5	1.8	1.6	1.8	2.0	1.0	1.0	0.8
statistician	0.1	0.3	0.0	0.0	0.2	0.1	0.1	0.3	0.3	0.2	0.6
therapist (phys,occup,speech)	1.9	1.7	2.1	2.0	1.7	1.3	1.7	2.5	1.9	1.8	2.9
teacher (elementary)	5.0	2.7	0.7	8.1	4.8	4.2	4.1	6.2	5.5	5.4	6.4
teacher (secondary)	3.6	2.9	0.5	4.7	3.9	1.9	3.2	7.4	2.9	2.9	2.5
veterinarian	0.7	1.3	0.6	0.3	0.5	0.7	0.1	0.4	1.4	1.5	1.0
writer or journalist	3.4	4.9	1.9	2.8	3.0	2.3	3.9	3.5	1.4	1.5	0.6
skilled trades	0.8	0.3	0.1	1.8	0.1	0.3	0.0	0.0	0.4	0.4	0.7
other	6.3	6.4	4.8	5.7	7.5	9.7	5.2	5.5	13.0	13.6	8.8
undecided	13.3	12.3	11.6	14.4	13.4	10.3	13.7	18.0	7.8	7.8	7.2

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1990											
accountant or actuary	6.1	5.8	8.7	6.5	5.1	4.5	8.8	4.0	4.9	4.7	6.5
actor or entertainer	1.2	0.7	1.8	1.7	0.9	1.2	0.9	0.4	2.4	2.7	0.2
architect or urban planner	0.6	1.0	1.0	0.4	0.3	0.5	0.1	0.0	1.3	1.1	3.2
artist	3.0	4.1	0.8	2.8	2.6	4.0	0.7	1.6	0.9	0.5	3.9
business (clerical)	0.4	0.0	0.0	1.0	0.4	0.4	0.3	0.5	2.2	1.7	6.3
business executive (management)	12.5	13.2	14.4	11.0	13.1	13.3	16.1	10.9	12.4	12.3	13.0
business owner or proprietor	2.9	3.2	4.1	2.2	3.1	3.6	2.8	2.5	3.0	3.1	2.1
business salesperson or buyer	0.9	0.7	0.9	0.9	1.1	0.1	3.8	1.1	0.5	0.5	0.0
clergy (minister,priest)	0.2	0.1	0.2	0.0	0.4	0.2	0.2	0.8	0.1	0.0	0.5
clergy (other religious)	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.2	0.1	0.0	0.8
clinical psychologist	2.5	1.6	1.6	2.0	4.6	3.4	1.2	8.3	4.6	4.8	3.7
college teacher	1.2	1.1	2.5	0.4	2.0	1.9	1.1	2.5	0.5	0.6	0.0
computer programmer or analyst	2.8	2.1	1.8	3.7	2.7	2.7	1.7	3.4	3.8	3.8	4.2
conservationist or forester	0.4	0.5	0.5	0.2	0.8	0.8	1.0	0.5	0.6	0.7	0.0
dentist (including orthodontist)	0.4	0.5	0.0	0.2	0.7	0.2	0.2	1.8	0.0	0.0	0.0
dietitian or home economist	0.3	0.2	0.0	0.3	0.5	0.6	0.1	0.5	0.9	1.0	0.0
engineer	5.8	7.0	7.8	5.8	3.8	5.5	3.0	1.5	11.6	12.2	6.8
farmer or rancher	0.2	0.4	0.0	0.1	0.2	0.2	0.3	0.3	0.2	0.3	0.0
foreign service worker	1.1	1.0	3.7	0.3	1.3	1.6	0.7	1.2	0.4	0.4	0.0
homemaker (full-time)	0.2	0.2	0.0	0.0	0.5	0.8	0.0	0.4	0.1	0.0	0.5
interior decorator or designer	0.4	0.6	0.0	0.0	0.8	0.6	2.1	0.4	0.3	0.2	1.2
interpretor (translator)	0.2	0.1	0.3	0.2	0.2	0.3	0.3	0.0	0.0	0.0	0.0
lab technician or hygienist	0.7	0.4	0.0	1.8	0.1	0.0	0.3	0.0	0.4	0.4	0.0
law enforcement officer	1.5	0.8	1.3	2.3	1.2	1.2	1.0	1.2	2.2	2.1	2.6
lawyer (attorney) or judge	4.9	4.8	10.1	3.2	5.9	6.3	6.7	4.8	3.7	3.8	3.1
military service (career)	0.9	0.9	0.9	1.0	0.7	0.8	0.0	0.8	0.7	0.8	0.0
musician (performer,composer)	1.3	1.8	1.7	1.3	0.6	0.6	0.2	0.8	0.7	0.8	0.0
nurse	3.7	4.4	0.7	4.8	2.1	1.1	2.8	3.4	4.5	4.9	1.4
optometrist	0.2	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
pharmacist	0.8	0.7	0.7	0.9	0.7	1.0	0.4	0.4	0.4	0.3	1.2
physician	3.4	5.5	3.6	1.4	3.5	4.1	5.0	1.8	1.1	0.9	2.7
school counselor	0.5	0.2	1.6	0.4	0.6	0.1	1.0	1.0	0.2	0.1	0.7
school principal/superintendent	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.5	0.0	0.0	0.0
scientific researcher	2.0	2.2	2.9	1.2	2.5	2.8	1.3	2.7	1.6	1.6	1.0
social,welfare,recreation worker	2.7	1.2	0.7	4.1	3.1	3.2	3.8	2.6	0.7	0.6	1.1
statistician	0.1	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	1.9	2.5	3.1	1.3	1.4	0.7	2.9	1.5	0.8	0.7	1.5
teacher (elementary)	6.3	5.0	0.9	8.7	6.4	4.5	6.6	9.4	10.8	11.3	7.2
teacher (secondary)	5.4	4.0	1.6	8.4	4.3	2.7	3.2	7.4	3.3	3.2	4.0
veterinarian	0.3	0.4	0.0	0.3	0.4	0.4	0.3	0.5	1.1	1.3	0.0
writer or journalist	2.9	4.4	3.8	2.1	1.9	1.8	1.8	2.1	1.5	1.4	2.0
skilled trades	0.8	0.0	0.0	2.1	0.2	0.3	0.0	0.2	0.6	0.6	0.8
other	9.2	9.5	6.9	8.8	10.1	11.6	9.4	8.1	9.4	8.9	12.6
undecided	7.0	6.5	9.0	5.7	8.9	10.0	7.7	7.8	5.3	5.3	5.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988											
ARTS AND HUMANITIES											
art, fine and applied	3.2	4.8	0.8	2.4	3.2	5.3	0.9	1.4	0.8	0.4	4.2
English (language & literature)	1.5	0.8	2.3	1.1	2.8	2.0	2.2	4.1	0.5	0.5	0.7
history	1.1	0.6	2.1	0.6	1.9	2.2	1.3	1.7	0.4	0.4	0.0
journalism	2.1	3.3	2.3	1.6	1.4	1.7	1.3	0.9	1.1	1.0	2.3
language/literature (except Eng)	0.8	0.6	0.8	0.5	1.3	1.3	1.1	1.4	0.2	0.3	0.0
music	0.8	0.4	1.3	1.1	0.6	0.6	0.5	0.7	0.5	0.3	1.4
philosophy	0.2	0.1	0.8	0.1	0.3	0.2	0.5	0.3	0.3	0.3	0.0
speech	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5
theater or drama	0.9	0.9	0.8	0.8	1.0	1.5	0.8	0.5	0.1	0.1	0.2
theology or religion	0.1	0.0	0.0	0.0	0.5	0.3	0.0	1.0	0.1	0.0	1.3
other arts and humanities	0.7	0.9	0.8	0.0	1.5	2.2	0.9	0.9	1.3	1.3	1.7
BIOLOGICAL SCIENCES											
biology (general)	2.5	2.3	2.3	2.3	3.1	2.5	2.8	4.2	0.6	0.6	0.0
biochemistry or biophysics	0.6	0.9	0.9	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.5	0.4	0.6	0.7	0.3	0.0	0.9	0.3	0.0	0.0	0.0
microbiology or bacteriology	0.1	0.2	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0
zoology	0.4	0.7	0.3	0.2	0.4	0.7	0.0	0.1	0.3	0.2	0.4
other biological science	0.5	0.5	0.1	0.3	0.7	0.3	2.2	0.4	0.1	0.0	0.6
BUSINESS											
accounting	5.6	4.8	5.4	6.7	5.0	5.3	8.0	2.9	6.2	6.0	7.8
business admin (general)	7.4	8.5	9.2	5.4	8.3	6.9	10.0	9.3	11.3	12.2	4.2
finance	1.7	2.1	1.9	1.6	1.3	1.6	1.8	0.7	0.2	0.0	1.4
marketing	2.8	2.9	3.7	2.8	2.2	1.6	4.6	1.8	2.0	1.8	3.3
management	4.0	3.2	3.9	4.8	3.9	4.2	3.9	3.6	5.5	5.4	6.0
secretarial studies	0.2	0.0	0.0	0.5	0.1	0.1	0.2	0.0	2.1	1.9	4.1
other business	1.6	1.5	2.3	2.0	1.0	0.8	2.2	0.5	2.4	2.5	1.8
EDUCATION											
business education	0.1	0.0	0.0	0.2	0.2	0.1	0.0	0.5	0.2	0.2	0.9
elementary education	4.3	2.4	0.2	7.0	4.1	3.5	3.9	5.1	4.7	4.7	5.2
music or art education	0.6	0.4	0.9	0.7	0.5	0.5	0.3	0.7	0.1	0.0	0.7
physical education or recreation	0.8	0.3	0.0	1.1	1.1	0.5	0.0	2.5	0.7	0.7	0.5
secondary education	2.0	1.2	0.6	2.9	2.0	1.2	2.1	3.2	1.4	1.5	1.0
special education	0.8	0.8	0.0	1.1	0.6	0.5	0.7	0.8	0.8	0.9	0.0
other education	1.4	0.2	0.1	3.5	0.5	0.5	0.2	0.6	1.7	1.7	1.7
ENGINEERING											
aeronautical/astronautical eng	1.4	1.8	1.5	0.7	1.8	3.7	0.2	0.1	3.1	3.5	0.0
civil engineering	0.9	1.6	1.5	0.4	0.4	0.5	0.6	0.0	1.2	1.2	1.3
chemical engineering	0.9	1.4	1.5	0.9	0.2	0.3	0.2	0.2	0.0	0.0	0.0
electrical engineering	2.3	3.2	4.8	1.4	1.4	2.3	1.0	0.2	5.0	5.3	3.1
industrial engineering	0.3	0.3	0.0	0.4	0.4	0.8	0.1	0.0	0.2	0.2	0.0
mechanical engineering	1.4	1.7	1.9	1.4	1.0	1.4	0.6	0.7	1.5	1.4	1.7
other engineering	1.2	2.0	1.7	0.8	0.7	1.1	0.5	0.2	3.1	3.3	1.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.3	0.0
atmospheric science	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0
chemistry	1.1	1.4	1.5	0.6	1.1	0.6	1.1	1.9	0.3	0.3	0.0
earth science	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.8	0.8	0.0
marine science	0.2	0.2	0.0	0.2	0.4	0.6	0.2	0.1	0.2	0.2	0.0
mathematics	1.1	0.9	1.5	1.4	0.9	0.8	1.0	1.1	0.5	0.5	0.6
physics	0.5	0.5	0.9	0.1	0.7	1.0	0.5	0.4	0.3	0.4	0.0
statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical science	0.2	0.1	0.0	0.1	0.4	0.7	0.2	0.0	0.1	0.1	0.0
PROFESSIONAL											
architecture or urban planning	0.6	0.5	1.2	0.7	0.5	0.6	0.3	0.5	2.4	1.9	6.2
home economics	0.9	2.2	0.3	0.4	0.1	0.0	0.5	0.0	0.6	0.5	1.3
health technology (med,dent,lab)	1.1	1.4	2.3	1.0	0.4	0.1	0.6	0.7	1.0	1.0	1.2
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	1.6	1.5	0.4	2.2	1.3	0.6	1.6	2.0	3.1	3.3	1.5
pharmacy	1.0	1.1	1.3	1.1	0.6	0.7	0.5	0.5	0.3	0.2	1.3
predent,premed,prevet	3.4	5.7	3.8	1.1	3.5	3.8	3.2	3.2	2.3	2.3	2.2
therapy (occup,phys,speech)	1.6	1.6	1.8	1.9	1.1	0.8	2.1	1.0	1.5	1.3	3.4
other professional	1.2	0.6	2.2	1.6	0.8	0.8	1.7	0.4	1.1	1.0	1.3
SOCIAL SCIENCES											
anthropology	0.3	0.2	0.1	0.4	0.4	0.5	0.7	0.0	0.1	0.0	0.5
economics	0.6	0.6	1.6	0.2	1.0	1.6	0.4	0.4	0.6	0.6	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
political science	3.5	3.1	8.1	2.2	4.3	4.1	3.8	4.9	0.8	0.8	0.3
psychology	4.8	4.0	2.0	4.5	6.9	6.1	6.2	8.4	2.1	1.7	4.6
social work	1.7	0.3	0.2	3.5	1.3	1.5	1.4	1.0	0.4	0.3	0.5
sociology	0.3	0.1	0.2	0.2	0.5	0.4	0.2	0.7	0.0	0.0	0.2
women's studies	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.8	0.0	0.0	0.0
other social science	0.3	0.6	0.1	0.2	0.1	0.1	0.1	0.0	0.2	0.3	0.0
TECHNICAL											
building trades	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.5
data processing or computer prog	0.8	0.3	0.6	1.7	0.4	0.3	0.4	0.5	1.3	1.5	0.0
drafting or design	0.3	0.0	0.1	0.6	0.5	0.6	0.7	0.3	0.6	0.6	0.0
electronics	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.0
mechanics	0.2	0.0	0.0	0.5	0.1	0.2	0.0	0.1	0.2	0.2	0.0
other technical	0.6	0.0	0.0	1.7	0.1	0.2	0.0	0.0	0.6	0.7	0.2
OTHER											
agriculture	0.6	1.0	0.0	0.7	0.1	0.0	0.0	0.3	2.4	2.6	0.9
communications (radio,TV,etc.)	3.3	3.4	3.0	2.8	3.8	4.4	5.0	2.2	4.3	4.8	0.3
computer science	1.4	2.1	0.6	1.1	1.5	1.1	0.5	2.5	2.9	2.5	6.4
forestry	0.1	0.0	0.3	0.0	0.3	0.3	0.0	0.5	0.0	0.0	0.0
law enforcement	0.6	0.1	0.8	0.7	1.1	0.8	1.1	1.5	2.2	2.4	0.7
military science	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
other field	0.8	0.5	0.3	0.6	1.6	1.8	2.0	0.9	0.9	0.8	1.6
undecided	7.2	7.5	6.9	6.5	7.6	5.6	6.7	11.2	5.5	5.6	4.8

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990											
ARTS AND HUMANITIES											
art, fine and applied	4.9	5.1	0.8	5.5	5.1	7.0	4.6	2.6	2.3	1.9	5.3
English (language & literature)	2.9	2.9	5.0	1.6	4.0	3.2	5.1	4.6	1.2	1.4	0.0
history	2.0	1.1	4.8	1.4	3.0	3.0	2.9	3.2	0.9	0.6	3.0
journalism	1.7	2.9	1.6	1.5	0.5	0.6	0.8	0.2	0.7	0.6	1.7
language/literature (except Eng)	1.2	1.7	1.9	0.5	1.4	1.4	1.4	1.5	0.2	0.3	0.0
music	0.8	0.7	2.2	0.8	0.7	0.5	0.2	1.2	0.1	0.0	0.5
philosophy	0.5	0.6	0.7	0.2	0.7	0.6	0.4	1.2	0.3	0.3	0.0
speech	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.5	0.2	0.2	0.0
theater or drama	0.6	0.5	1.3	0.5	0.7	0.5	0.9	0.9	0.0	0.0	0.2
theology or religion	0.2	0.0	0.6	0.0	0.6	0.4	0.3	1.0	0.1	0.0	0.7
other arts and humanities	1.0	0.9	3.5	0.5	0.9	1.3	0.8	0.5	1.0	0.6	4.3
BIOLOGICAL SCIENCES											
biology (general)	2.9	3.2	2.4	2.0	4.1	3.8	4.2	4.6	0.4	0.2	1.5
biochemistry or biophysics	0.5	1.0	0.2	0.2	0.4	0.3	0.1	0.6	0.0	0.0	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
microbiology or bacteriology	0.3	0.8	0.0	0.2	0.1	0.0	0.0	0.2	0.0	0.0	0.0
zoology	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.3	0.0	0.0	0.0
other biological science	0.6	0.8	0.4	0.5	0.6	1.0	0.4	0.2	1.0	1.1	0.0
BUSINESS											
accounting	5.9	4.7	9.3	6.3	5.9	5.4	8.9	4.8	4.8	4.6	5.9
business admin (general)	4.9	4.0	5.9	4.4	6.1	5.1	6.7	7.4	7.1	6.6	11.1
finance	2.2	2.5	2.3	2.2	1.9	2.2	2.7	1.1	1.7	1.8	1.2
marketing	2.7	1.8	4.5	3.3	2.4	1.8	5.8	1.5	0.6	0.4	1.8
management	4.2	4.6	0.8	5.4	3.3	3.0	4.8	2.7	4.5	4.7	2.5
secretarial studies	0.6	0.0	0.0	1.8	0.0	0.0	0.0	0.0	2.5	2.3	3.6
other business	1.2	1.3	0.6	1.6	0.8	0.3	2.3	0.6	1.8	1.9	1.1
EDUCATION											
business education	0.2	0.1	0.0	0.2	0.2	0.1	0.0	0.5	0.2	0.2	0.0
elementary education	5.0	4.0	2.4	7.1	4.2	3.1	5.1	5.5	9.3	10.1	3.7
music or art education	0.5	0.1	0.1	0.9	0.5	0.4	0.4	0.7	0.7	0.5	1.8
physical education or recreation	0.4	0.1	0.0	0.6	0.8	0.6	0.9	1.0	0.6	0.7	0.4
secondary education	2.3	2.1	0 4	3.2	1.8	1.3	0.7	3.2	1.0	1.1	0.4
special education	0.7	0.5	0 1	1.1	0.7	0.5	0.7	0.9	0.7	0.6	1.4
other education	0.4	0.2	0.1	1.0	0.1	0.1	0.0	0.3	0.6	0.5	1.9
ENGINEERING											
aeronautical/astronautical eng	0.4	0.1	0.7	0.1	1.2	2.4	0.0	0.0	0.7	0.7	0.5
civil engineering	1.3	1.4	1.2	1.9	0.4	0.3	0.6	0.3	1.0	1.0	0.7
chemical engineering	0.8	1.6	0.8	0.5	0.1	0.2	0.0	0.0	0.3	0.3	0.0
electrical engineering	1.4	1.9	3.7	0.7	1.1	1.6	1.1	0.2	5.3	5.7	2.2
industrial engineering	0.2	0.4	0.7	0.0	0.3	0.5	0.0	0.0	0.2	0.2	0.3
mechanical engineering	1.5	2.0	2.2	1.3	1.0	1.6	0.4	0.3	1.7	1.7	1.9
other engineering	1.0	0.9	1.6	1.3	0.4	0.6	0.4	0.1	1.3	1.3	1.1

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
atmospheric science	0.1	0.3	0.0	0.0	0.2	0.3	0.0	0.1	0.7	0.7	0.0
chemistry	0.9	1.0	1.1	0.6	0.9	0.9	1.0	0.7	0.2	0.2	0.0
earth science	0.2	0.0	0.2	0.1	0.7	0.5	0.2	1.3	0.4	0.4	0.0
marine science	0.2	0.2	0.0	0.1	0.2	0.4	0.2	0.0	0.0	0.0	0.0
mathematics	1.3	1.5	0.8	1.2	1.3	1.2	1.3	1.6	0.4	0.3	0.9
physics	0.5	0.4	0.9	0.3	1.0	1.1	1.0	0.8	0.0	0.0	0.0
statistics	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.0	0.0	0.0
other physical science	0.3	0.2	0.1	0.2	0.4	0.1	0.0	1.0	0.1	0.1	0.0
PROFESSIONAL											
architecture or urban planning	0.5	0.8	1.1	0.2	0.2	0.5	0.0	0.0	1.1	0.9	2.9
home economics	0.5	0.5	0.2	0.8	0.2	0.3	0.3	0.0	0.4	0.5	0.0
health technology (med,dent,lab)	0.9	1.2	0.0	1.0	0.6	0.5	0.2	0.9	0.8	0.8	0.4
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	2.9	2.7	0.6	4.5	1.5	0.8	2.1	2.3	4.0	4.3	1.4
pharmacy	0.9	1.0	0.9	0.8	0.6	0.9	0.3	0.4	0.3	0.2	1.2
predent,premed,prevet	1.1	1.9	1.0	0.4	1.3	1.0	2.3	1.2	1.1	1.1	1.2
therapy (occup,phys,speech)	1.3	1.9	2.1	1.0	0.6	0.5	1.5	0.4	0.7	0.7	0.9
other professional	0.9	0.6	0.8	1.1	0.8	1.2	0.8	0.2	2.5	2.5	2.4
SOCIAL SCIENCES											
anthropology	0.3	0.3	0.8	0.4	0.1	0.3	0.1	0.0	0.1	0.1	0.0
economics	1.8	2.2	3.8	1.3	1.3	1.6	1.3	1.0	0.6	0.7	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
geography	0.2	0.3	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
political science	4.5	4.8	8.7	2.8	5.3	6.1	4.5	4.4	1.7	1.8	0.9
psychology	5.7	5.3	3.7	4.7	8.1	7.0	5.8	11.2	6.4	6.4	6.3
social work	1.5	0.6	0.3	2.3	1.9	2.0	2.1	1.6	0.3	0.3	0.5
sociology	1.0	1.0	0.7	0.7	1.5	0.6	2.5	2.2	1.6	1.6	2.0
women's studies	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
other social science	0.8	0.6	0.6	1.1	0.7	1.1	0.1	0.5	0.5	0.5	0.2
TECHNICAL											
building trades	0.1	0.0	0.0	0.2	0.1	0.0	0.3	0.0	0.1	0.0	1.3
data processing or computer prog	1.2	1.3	0.4	1.2	1.4	0.4	0.6	3.2	2.9	3.2	0.2
drafting or design	0.2	0.1	0.1	0.4	0.1	0.1	0.4	0.0	0.4	0.4	0.0
electronics	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.6	0.7	0.0
mechanics	0.3	0.0	0.0	0.6	0.2	0.3	0.0	0.2	0.5	0.6	0.0
other technical	0.5	0.1	0.0	1.3	0.2	0.3	0.0	0.0	1.8	2.1	0.0
OTHER											
agriculture	0.7	1.4	0.0	0.8	0.2	0.1	0.0	0.4	2.5	2.8	0.5
communications (radio,TV,etc.)	4.1	3.9	3.4	3.8	5.0	6.9	2.7	3.5	2.0	2.2	1.0
computer science	1.2	0.9	1.6	1.5	1.1	1.5	0.6	0.9	1.8	1.5	4.3
forestry	0.1	0.1	0.0	0.0	0.3	0.3	0.0	0.4	0.2	0.3	0.0
law enforcement	0.9	0.8	1.1	0.9	1.2	1.0	1.0	1.6	3.5	3.7	1.6
military science	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
other field	1.5	1.7	0.8	0.5	2.9	4.5	1.5	1.3	3.5	3.3	5.3
undecided	2.0	3.3	0.6	2.0	0.9	0.7	0.9	1.3	1.1	0.8	3.8

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1988	97.1	93.7	98.4	99.0	98.4	98.3	98.8	98.2	94.3	94.1	95.5
1987	0.8	0.6	1.1	0.5	1.2	1.6	0.4	0.9	2.0	2.1	0.7
1986	0.2	0.3	0.0	0.3	0.1	0.1	0.3	0.0	0.2	0.2	0.0
1985 or earlier	1.9	5.5	0.4	0.2	0.3	0.0	0.6	0.5	2.7	2.6	3.4
H.S. equivalency (GED test)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.4
never completed high school	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0
Age on December 31, 1990											
18 or younger	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.3	3.4	1.6	1.5	2.1	3.2	0.5	1.2	2.6	2.9	0.0
20	70.8	70.0	80.1	68.7	71.4	68.2	73.2	75.8	64.9	63.7	75.4
21	22.0	20.6	17.9	21.8	25.6	28.2	24.1	21.9	26.4	27.2	20.0
22	3.0	0.5	0.0	7.8	0.6	0.2	1.6	0.6	1.4	1.4	0.9
23-26	0.1	0.0	0.4	0.0	0.3	0.1	0.3	0.5	2.1	2.0	3.4
27-31	1.6	4.9	0.0	0.0	0.1	0.0	0.3	0.0	1.5	1.6	0.4
32-41	0.3	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.5	0.6	0.0
42-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
57 or older	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	83.3	85.6	88.1	77.1	87.2	81.3	91.7	94.9	87.5	86.8	93.7
Black/Negro/Afro-American	9.3	5.5	1.7	14.7	9.3	15.2	2.2	2.9	6.3	6.4	5.3
American Indian	1.0	1.0	0.0	1.7	0.4	0.4	0.0	0.6	0.0	0.0	0.0
Asian-American/Oriental	3.1	5.9	6.8	0.6	1.7	1.6	1.6	1.9	4.3	4.8	0.2
Mexican-American/Chicano	3.1	2.5	0.9	5.6	1.2	1.7	1.9	0.0	0.4	0.4	0.0
Puerto Rican-American	0.3	0.0	0.6	0.4	0.4	0.2	1.4	0.3	0.3	0.3	0.0
other	1.9	1.3	2.9	2.7	1.2	0.9	2.6	1.0	1.2	1.3	0.9
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	92.6	93.3	99.7	86.8	96.8	97.4	98.7	94.7	96.6	97.3	90.1
mathematics (3 years)	93.5	92.2	99.5	90.6	96.8	97.4	96.4	95.8	93.0	93.6	88.0
foreign language (2 years)	76.9	81.0	96.6	60.6	86.9	89.2	91.2	80.3	78.7	80.2	66.1
physical science (2 years)	59.4	60.4	74.6	52.4	62.0	61.3	59.9	64.6	60.3	61.8	47.5
biological science (2 years)	33.6	32.7	36.6	32.5	35.0	27.0	33.6	49.5	24.5	24.1	28.2
history/American govt (1 year)	99.7	99.8	100.0	99.5	99.6	99.7	98.5	100.0	100.0	100.0	100.0
computer science (1/2 year)	62.9	62.6	64.4	61.2	65.0	69.1	63.8	58.9	66.6	66.8	64.7
art or music (1 year)	61.1	68.2	56.1	54.9	61.7	62.4	52.0	65.9	68.6	68.2	72.3
Took Credit Courses at Freshman College Before Enrollment											
no	95.8	97.0	97.4	93.1	97.6	97.0	98.5	98.3	99.0	99.0	99.1
yes	4.2	3.0	2.6	6.9	2.4	3.0	1.5	1.7	1.0	1.0	0.9
Status of Parents											
together	74.6	75.3	84.3	71.9	73.6	68.2	78.0	80.6	68.5	68.4	68.7
divorced or separated	21.3	20.9	12.9	22.9	22.7	27.6	16.7	17.6	25.7	25.3	29.0
one or both deceased	4.1	3.8	2.8	5.1	3.7	4.2	5.4	1.8	5.9	6.3	2.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	11.8	15.4	25.4	6.6	9.4	9.3	10.4	9.0	3.0	3.3	0.7
A-	14.2	15.3	20.9	10.9	14.9	15.6	9.3	16.9	9.7	10.6	2.1
B+	19.6	18.7	22.6	16.9	23.4	25.8	25.9	17.8	13.7	14.3	8.9
B	22.5	19.5	17.3	27.6	21.3	14.6	28.7	28.4	25.2	24.2	34.1
B-	13.3	13.9	3.6	17.3	10.8	11.3	10.0	10.4	15.6	15.8	14.7
C+	12.4	8.5	10.2	16.3	12.9	14.2	9.1	12.9	15.8	16.0	14.3
C	6.1	8.7	0.0	4.5	7.2	9.1	6.0	4.6	15.1	14.1	23.9
D	0.0	0.0	0.0	0.0	0.1	0.1	0.6	0.0	1.8	1.8	1.4
Average Undergraduate Grade											
A	5.6	4.8	10.3	5.3	5.2	4.0	9.0	5.0	3.1	3.3	1.5
B+,A-	17.3	15.8	29.6	14.0	19.3	18.4	20.8	20.1	14.8	14.6	16.4
B	28.3	29.7	33.6	24.1	30.5	31.3	32.6	27.7	34.3	33.4	41.7
C+,B-	29.9	32.7	16.0	33.4	26.4	23.6	23.5	33.0	33.5	33.9	30.7
C	16.3	14.0	10.1	20.5	15.5	18.6	11.9	12.3	10.0	10.3	7.9
C- or less	2.7	3.0	0.4	2.7	3.1	4.1	2.2	1.8	4.2	4.5	1.8
Degree Aspirations in 1988											
none	0.6	0.6	0.3	0.0	1.5	1.8	3.2	0.0	3.2	3.0	4.6
vocational certificate	0.2	0.2	0.0	0.0	0.3	0.0	0.5	0.8	0.6	0.7	0.0
associate (AA or equivalent)	0.6	0.0	0.0	1.4	0.5	0.2	0.3	1.1	3.7	3.1	7.8
bachelor's (BA, BS, etc)	34.7	28.7	21.0	49.4	28.4	28.7	25.5	29.6	33.8	34.6	27.7
master's (MA, MS)	34.5	42.1	32.0	26.9	35.1	38.2	43.2	25.8	46.9	46.8	47.6
PhD or EdD	15.7	14.4	22.6	12.4	19.6	18.7	13.3	24.6	6.6	7.3	1.0
MD, DO, DDS, DVM	5.6	7.1	10.2	1.9	6.8	4.7	6.5	10.3	1.3	0.9	4.2
LLB or JD (law)	5.6	6.2	13.2	2.9	5.4	5.5	5.4	5.2	2.8	2.8	3.0
BD or MDiv (divinity)	1.4	0.0	0.0	3.9	0.3	0.4	0.0	0.3	0.1	0.0	0.8
other	1.2	0.7	0.7	1.1	2.0	1.9	2.2	2.2	1.1	0.8	3.3
Highest Degree Earned by 1990											
none	88.6	93.1	91.4	80.1	92.1	90.4	92.0	95.0	74.0	76.3	51.0
vocational certificate	0.7	0.1	1.1	1.0	1.1	1.3	0.8	0.8	1.4	1.5	0.0
associate (AA or equivalent)	5.7	4.9	5.9	7.3	4.8	6.4	5.3	1.7	22.1	19.6	47.8
bachelor's (BA, BS, etc)	2.7	0.5	1.6	7.1	0.5	0.5	0.6	0.7	0.0	0.0	0.0
master's (MA, MS)	0.1	0.2	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0
PhD or EdD	0.7	0.0	0.0	1.8	0.4	0.8	0.0	0.0	0.0	0.0	0.0
MD, DO, DDS, DVM	0.3	0.0	0.0	0.7	0.1	0.0	0.4	0.0	0.0	0.0	0.0
LLB or JD (law)	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BD or MDiv (divinity)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other	1.1	0.7	0.0	1.9	1.0	0.7	0.5	1.8	2.5	2.7	1.2
Degree Aspirations in 1990											
none	1.7	1.3	0.3	2.0	2.2	3.5	1.5	0.4	4.2	4.6	0.7
vocational certificate	0.7	0.0	0.0	1.8	0.5	0.5	0.0	0.7	1.1	1.2	0.0
associate (AA or equivalent)	1.7	1.3	0.0	3.2	0.7	0.0	2.4	1.1	6.8	6.8	6.5
bachelor's (BA, BS, etc)	37.2	35.0	30.6	42.8	34.9	37.0	30.7	33.9	40.5	39.9	45.6
master's (MA, MS)	36.4	40.4	29.1	36.3	34.0	35.8	38.0	28.9	36.9	36.6	40.2
PhD or EdD	10.5	9.3	17.3	6.2	15.1	12.5	12.4	20.7	5.3	5.7	2.0
MD, DO, DDS, DVM	4.3	6.0	7.1	2.0	4.1	2.3	5.2	6.5	0.6	0.7	0.0
LLB or JD (law)	6.3	5.3	14.3	4.8	6.7	6.6	8.3	5.9	3.0	3.1	2.3
BD or MDiv (divinity)	0.4	0.3	0.9	0.1	0.5	0.4	0.6	0.7	0.2	0.0	1.9
other	0.9	1.0	0.4	0.5	1.3	1.4	1.0	1.2	1.3	1.4	0.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College was Student's											
first choice	66.3	69.6	70.5	63.1	65.0	63.5	65.6	67.2	74.2	76.2	57.0
second choice	22.4	22.5	19.6	23.3	22.3	22.8	24.9	19.8	16.2	14.5	31.0
third choice	8.2	5.7	5.8	10.4	9.4	8.5	6.9	12.2	2.7	2.5	4.7
less than third choice	3.0	2.2	4.2	3.1	3.4	5.2	2.6	0.8	6.9	6.8	7.3
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	62.0	57.7	66.1	61.2	67.5	69.7	64.8	65.4	68.2	67.0	78.0
humanities courses	69.6	69.6	75.2	65.2	73.3	68.3	76.2	80.0	66.7	68.6	50.7
social science courses	71.6	71.7	74.3	71.7	70.3	68.4	76.8	69.9	60.8	59.2	75.5
courses in major field	84.6	81.4	86.8	85.0	87.1	85.9	83.5	91.1	76.0	75.7	78.5
general education requirements	57.6	51.8	61.9	59.7	60.8	60.9	64.5	58.5	56.3	54.6	70.8
relevance of coursework to life	47.9	37.7	51.8	50.4	55.9	58.3	57.7	50.9	50.1	51.8	36.2
overall quality of instruction	70.6	64.1	78.5	69.1	77.9	75.7	79.3	80.9	64.2	64.8	58.8
lab facilities and equipment	63.0	61.4	64.0	64.6	62.3	68.6	60.0	53.7	69.6	68.7	76.9
library facilities	75.2	87.4	74.0	72.2	64.6	60.7	79.3	63.0	75.0	76.4	63.2
computer facilities	72.2	73.2	76.3	70.8	71.4	73.7	74.8	65.6	76.0	76.2	74.4
oppty for interdisciplin courses	47.9	38.9	58.3	49.0	52.9	50.6	51.8	56.8	43.1	43.8	35.6
oppty to talk to professors	73.6	62.5	75.1	77.5	81.4	74.4	82.2	92.7	72.2	70.9	83.5
oppty for extracurr activities	78.3	70.3	83.5	81.3	82.1	76.8	80.5	91.7	63.6	62.8	70.7
campus social life	68.7	70.8	67.5	71.4	62.6	55.2	66.5	73.1	48.7	47.9	54.7
regulations on campus life	40.9	40.4	44.7	43.8	36.0	34.8	37.4	37.2	34.7	35.7	26.6
academic tutoring or assistance	61.9	52.8	55.8	70.9	63.1	63.0	72.2	58.6	60.3	58.7	71.9
academic advising	51.8	42.2	49.2	57.5	57.1	51.6	63.7	62.6	48.4	46.8	60.8
career counseling and advising	47.0	36.7	44.2	54.8	49.6	42.8	60.9	55.1	33.1	32.1	40.9
personal counseling	44.0	35.0	48.6	49.9	44.4	41.5	46.2	48.5	32.1	30.7	44.4
student housing	50.1	46.9	55.1	49.2	52.9	49.8	63.4	53.0	41.5	39.6	51.5
financial aid services	41.5	36.8	42.9	44.7	41.9	40.0	44.2	43.5	45.3	42.6	62.2
contact with faculty and admin	58.5	41.4	58.8	64.2	70.9	66.8	74.6	75.8	56.7	54.2	79.6
relations with faculty & admin	58.6	44.3	58.4	62.8	70.8	67.2	74.9	74.8	64.5	62.5	82.3
oppty to attend films,concerts	74.3	77.5	85.0	71.7	69.7	66.8	64.7	77.4	57.2	59.1	41.4
job placement services	49.4	44.0	59.5	50.3	50.2	49.3	53.7	49.6	31.5	28.2	58.8
campus health services	58.0	65.0	55.8	59.4	49.0	48.9	55.5	46.0	54.8	51.8	76.4
overall college experience	76.6	76.0	80.6	76.7	75.8	72.2	76.6	81.5	67.2	66.0	76.9
Enroll at Freshman College Again											
definitely yes	33.9	30.0	39.8	37.7	31.5	33.0	28.0	31.0	29.3	28.4	37.1
probably yes	35.2	43.2	30.2	31.8	31.4	29.4	36.3	32.2	32.3	32.4	30.9
don't know	5.1	4.8	7.3	4.1	5.9	4.5	4.5	9.1	3.1	3.4	0.0
probably not	14.5	12.0	12.9	13.6	19.6	20.9	14.9	20.1	22.8	23.9	13.0
definitely not	11.3	9.9	9.9	12.7	11.5	12.2	16.2	7.6	12.6	11.8	19.1
Miles from College to Home											
5 or less	3.5	2.8	2.7	4.0	4.2	2.4	7.9	5.1	10.4	10.9	6.1
6-10	5.7	7.9	2.2	6.1	3.7	4.3	4.5	2.3	14.5	15.4	7.3
11-50	22.6	19.7	19.0	29.1	19.0	15.1	29.8	19.6	39.1	41.0	22.7
51-100	18.9	20.3	6.9	23.1	15.8	11.5	20.6	20.4	8.2	8.5	5.5
101-500	37.5	42.5	29.8	34.2	38.5	41.2	26.7	40.5	22.1	22.0	22.8
more than 500	11.7	6.9	39.4	3.6	18.9	25.5	10.5	12.2	5.6	2.2	35.6

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Took Time Off, Withdrew or Transferred											
no	73.0	75.1	82.2	70.7	70.3	62.4	72.0	83.0	64.6	66.3	49.6
transferred	15.1	13.6	12.2	15.1	17.8	21.5	21.3	9.3	20.2	17.9	41.1
withdrew	5.6	5.5	1.6	5.7	6.8	8.9	4.3	4.7	8.0	8.1	7.0
leave of absence	6.4	5.8	4.0	8.5	5.1	7.2	2.4	3.0	7.2	7.7	2.3
Reasons Noted as Very Important for Taking Time Off (4)											
reconsider goals & interests	43.7	56.7	*32.3*	36.9	40.0	39.6	37.4	*43.5*	41.3	*39.5*	*51.8*
changed career plans	23.9	26.4	*18.9*	25.2	20.7	20.5	20.2	*21.8*	18.3	*19.1*	*13.9*
wanted practical experience	16.8	7.5	*10.2*	29.0	10.9	10.5	10.2	*12.9*	13.1	*14.0*	*8.0*
didn't "fit in"	18.3	17.8	*22.3*	16.4	20.3	19.9	21.9	*20.2*	20.0	*18.2*	*30.1*
was bored with course work	13.9	12.2	*12.8*	15.7	13.8	13.3	11.9	*17.3*	13.9	*14.7*	*8.9*
wanted better acad reputation	28.0	17.2	*20.5*	41.2	23.2	26.1	24.2	*11.8*	19.9	*11.4*	*69.2*
wanted better social life	17.0	9.7	*7.5*	17.4	26.5	28.1	28.8	*19.3*	30.5	35.2	*1.9*
wanted to be closer to home	10.8	11.6	*5.5*	7.3	15.3	18.9	10.3	*6.7*	26.4	*30.6*	*2.3*
had good job offer	9.9	3.7	*2.8*	18.4	5.9	5.4	0.8	*11.6*	11.4	*13.0*	*1.9*
wasn't doing well academically	32.0	42.1	*20.5*	27.8	28.5	29.1	27.5	*26.9*	24.0	*26.1*	*11.4*
family responsibilities	5.4	3.9	*5.7*	6.8	5.4	6.0	7.5	*1.4*	7.1	*8.0*	*1.9*
tired of being student	7.1	6.8	*2.8*	8.8	6.4	7.9	3.0	*4.0*	6.7	*7.8*	*0.7*
couldn't afford college	19.6	16.2	*18.8*	17.0	26.8	23.2	33.3	*33.6*	14.4	*13.7*	*18.6*
wanted wider course selection	22.7	11.4	*29.3*	23.7	31.8	26.8	38.5	*41.9*	10.5	*10.0*	*13.6*
ENROLLMENT STATUS											
First Year											
attended first college full-time	98.5	98.2	99.0	97.7	99.5	100.0	97.2	100.0	97.8	97.7	98.3
attended first college part-time	0.3	0.2	1.0	0.6	0.0	0.0	0.0	0.0	1.4	1.6	0.0
attended diff college full-time	0.7	0.4	0.0	1.2	0.5	0.0	2.8	0.0	0.0	0.0	0.0
attended diff college part-time	0.4	1.2	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	1.7
not enrolled	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.6	0.7	0.0
Second Year											
attended first college full-time	80.4	81.1	85.6	78.2	80.4	76.3	75.3	89.5	75.2	75.1	76.9
attended first college part-time	4.2	5.7	1.7	5.6	1.3	1.0	2.5	1.0	5.6	6.2	0.0
attended diff college full-time	10.8	9.1	8.4	12.0	12.3	14.1	18.5	6.2	16.0	16.0	16.3
attended diff college part-time	2.2	2.2	3.3	0.9	3.8	5.1	1.5	2.8	1.1	0.6	5.0
not enrolled	2.4	1.9	1.0	3.4	2.3	3.5	2.2	0.4	2.1	2.1	1.8
Plans for Fall 1990											
attend college full-time	88.3	90.2	92.4	86.0	87.5	85.4	91.4	88.8	75.0	76.4	62.5
attend college part-time	3.4	3.3	2.9	3.3	3.9	5.0	3.0	2.4	10.3	10.8	5.4
attend graduate school	0.9	0.2	0.0	1.9	0.6	0.6	0.5	0.8	2.2	0.3	19.4
attend vocational program	0.4	0.8	0.3	0.1	0.4	0.0	0.2	1.2	0.5	0.4	1.6
work full-time	9.0	6.2	5.4	12.3	9.5	11.2	11.2	5.4	23.7	25.0	11.7
work part-time	43.0	49.0	41.4	37.9	42.8	40.3	42.2	47.5	49.7	49.3	52.6
serve in Armed Forces	2.0	1.6	3.0	1.3	3.1	2.8	1.4	4.5	1.1	0.9	2.4
travel	4.4	3.9	6.9	3.2	5.7	5.8	2.4	7.4	3.6	3.5	5.0
do volunteer work	8.8	9.4	13.2	6.3	9.8	8.0	10.0	12.9	8.7	9.1	5.0
stay at home	3.3	3.3	1.9	4.1	2.9	3.5	3.0	1.7	6.9	6.7	9.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1988											
academic ability	69.1	77.3	85.9	56.2	70.1	70.0	69.6	70.4	52.6	52.9	50.6
artistic ability	27.2	33.5	21.8	25.2	23.9	23.4	20.2	27.0	32.1	33.9	16.6
competitiveness	69.4	66.4	74.6	72.0	68.0	67.1	69.5	68.8	65.9	64.9	74.6
drive to achieve	72.0	75.3	83.5	65.5	72.5	72.7	75.3	70.5	63.3	62.2	73.0
emotional health	65.1	63.6	63.5	65.2	67.5	69.7	71.5	61.4	54.5	54.7	53.2
foreign language ability	34.4	40.8	40.4	28.6	31.9	34.4	33.1	26.9	15.4	15.3	16.1
leadership ability	62.8	66.2	65.3	59.8	61.6	65.8	61.6	54.2	52.2	51.5	58.7
mathematical ability	54.5	62.1	69.6	45.7	51.3	52.0	45.1	53.6	44.0	46.3	23.7
physical health	72.0	76.6	75.7	64.1	75.4	76.0	75.8	74.2	68.0	69.1	58.0
popularity	51.6	53.8	53.9	46.3	55.1	58.3	52.0	51.3	53.9	52.6	65.0
popularity with opposite sex	48.9	51.0	47.3	45.1	51.7	54.0	51.1	48.0	51.0	49.5	64.0
public speaking ability	36.3	39.8	39.5	32.3	35.8	39.8	28.1	33.5	24.6	25.0	21.2
self-confidence (intellectual)	66.9	71.9	74.8	59.6	67.2	69.0	68.5	63.2	51.6	51.1	55.7
self-confidence (social)	48.6	47.7	50.2	45.1	54.0	56.7	53.4	49.8	42.3	40.1	61.1
writing ability	45.5	51.3	54.1	37.3	45.9	42.0	50.2	50.3	25.9	24.1	41.9
in 1990											
academic ability	68.7	68.4	82.0	63.5	71.1	69.3	74.8	72.1	58.3	57.7	63.8
artistic ability	32.7	35.5	29.7	32.0	30.9	32.5	23.5	32.4	39.2	41.2	22.5
competitiveness	72.0	71.7	74.3	75.4	66.9	68.3	66.3	64.8	65.0	63.9	74.3
drive to achieve	70.3	68.6	68.4	74.8	67.0	67.4	70.3	64.4	58.2	56.2	75.6
emotional health	64.8	63.8	63.4	65.7	65.4	67.3	64.6	62.5	58.2	56.3	73.6
foreign language ability	33.3	32.8	43.3	31.5	32.7	35.1	31.7	29.2	16.4	16.1	18.5
leadership ability	67.2	62.5	72.2	70.9	66.5	70.1	62.7	62.5	64.7	64.1	70.0
mathematical ability	52.0	55.1	68.8	45.6	50.6	52.0	51.0	47.9	41.3	42.9	27.3
physical health	71.3	70.8	74.1	69.7	73.2	75.7	73.9	68.4	65.1	64.0	74.4
popularity	51.7	52.7	49.2	52.4	50.4	51.6	58.3	44.0	49.7	49.1	54.2
popularity with opposite sex	49.2	48.6	43.3	51.6	49.0	48.3	53.0	47.8	49.1	48.3	56.0
public speaking ability	43.1	39.3	45.1	46.1	43.3	46.5	38.5	40.5	37.7	36.5	47.9
self-confidence (intellectual)	70.9	72.5	77.0	70.2	67.7	70.3	67.5	63.3	51.4	49.3	69.3
self-confidence (social)	55.9	53.5	53.1	58.5	56.7	59.1	59.2	51.0	48.3	46.5	64.3
writing ability	55.6	58.6	64.5	51.4	54.1	54.8	58.6	50.5	45.1	44.1	53.4
Permission to Use I.D. in 1988											
yes	75.1	76.4	79.0	71.7	76.1	71.7	71.2	86.0	64.4	64.4	63.9
no	24.9	23.6	21.0	28.3	23.9	28.3	28.8	14.0	35.6	35.6	36.1
Permission to Use I.D. in 1990											
yes	68.6	70.7	64.6	64.2	73.3	70.9	74.8	76.5	63.7	61.6	82.6
no	31.4	29.3	35.4	35.8	26.7	29.1	25.2	23.5	36.3	38.4	17.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (Reported in 1988)											
be elected to student office....	3.9	1.9	3.9	6.3	3.2	3.4	2.5	3.2	0.4	0.5	0.0
be satisfied with college.....	49.5	52.2	61.4	41.5	52.4	50.9	50.1	56.3	37.0	36.8	38.5
change career choice.....	14.0	12.6	12.7	18.0	11.1	10.0	9.5	13.8	5.2	5.4	4.2
change major field.....	14.1	15.3	13.6	13.9	13.1	13.1	10.8	14.5	8.5	8.7	7.0
drop out permanently.....	1.0	0.0	0.0	2.7	0.5	1.0	0.0	0.0	0.0	0.0	0.0
drop out temporarily.....	1.0	0.0	0.0	2.6	0.5	0.4	0.0	1.1	0.3	0.4	0.0
fail one or more courses.....	1.5	0.7	0.0	3.0	1.3	0.8	0.0	2.9	1.2	0.8	4.9
get job to pay expenses.....	33.6	35.2	36.3	29.4	35.7	32.6	32.2	43.1	30.8	33.0	12.3
get married while in college....	2.8	2.6	0.5	3.2	3.3	3.2	3.2	3.7	7.3	8.1	0.6
graduate with honors.....	12.7	12.9	19.7	10.1	13.2	13.3	13.8	12.6	10.2	10.6	6.5
join social frat or sorority....	18.6	21.6	17.1	14.3	21.1	25.0	15.3	17.5	7.3	4.6	30.2
make at least "B" average.....	48.9	57.7	59.2	41.5	43.1	42.3	50.5	40.4	41.4	41.2	43.4
participate in student protests.	6.0	4.4	9.2	5.5	7.5	10.4	4.3	4.2	2.6	2.9	0.0
play varsity athletics.....	22.5	13.1	16.9	26.7	31.1	31.1	26.9	33.4	11.0	10.0	19.1
transfer to another college.....	8.3	4.2	2.8	15.2	6.9	8.9	5.4	4.5	10.1	7.4	32.6
work at outside job.....	16.5	19.2	12.8	19.9	10.4	8.9	18.4	8.4	18.0	19.0	9.5
work full-time while attending..	2.9	1.3	1.2	5.6	2.3	2.2	2.0	2.5	4.5	4.9	1.4
Events Occurring Since Entering College (5)											
was elected to student office...	11.7	8.9	17.4	9.8	15.7	15.5	13.9	17.3	11.6	11.7	10.2
was satisfied w/fresh coll (6)..	75.7	74.8	79.9	76.3	74.6	71.0	75.6	80.2	63.8	62.3	76.9
changed career choice (6).....	48.0	51.3	42.2	49.6	44.1	45.3	39.7	44.4	50.2	50.3	49.0
changed major field (6).....	44.2	48.8	40.2	43.1	41.5	40.1	38.2	45.4	42.7	42.9	39.8
dropped out permanently (6).....	5.3	5.0	1.5	5.6	6.7	8.8	4.3	4.6	7.9	8.1	6.8
dropped out temporarily (6).....	6.1	5.3	3.8	8.3	5.0	7.1	2.3	2.9	7.1	7.7	2.2
failed a course or class.....	33.2	32.5	13.6	40.7	31.0	33.2	26.4	29.9	42.5	42.1	46.3
had part-time job off-campus....	41.1	44.5	34.3	41.9	38.2	37.2	40.8	38.3	54.3	53.3	63.5
had part-time job on campus.....	36.2	26.5	46.0	35.3	46.4	43.0	40.3	55.7	15.4	14.7	21.5
worked full-time while student..	7.6	7.2	3.5	9.9	6.5	5.7	10.8	5.5	12.0	12.5	7.3
got married.....	2.8	1.1	1.0	6.2	0.9	1.1	0.8	0.8	1.6	1.7	0.9
graduated with honors.....	0.7	1.0	0.0	0.9	0.3	0.4	0.4	0.0	4.7	4.4	7.9
joined a fraternity or sorority.	24.7	27.1	28.7	17.4	30.2	31.1	17.4	36.1	12.1	13.1	2.8
made "B" or better coll GPA (6).	51.2	50.3	73.5	43.5	54.9	53.7	62.4	52.8	52.2	51.3	59.6
participated in student protests	14.0	12.8	15.0	11.6	18.6	19.3	16.1	18.7	7.3	6.0	18.7
played intercoll foot/basketball	10.9	7.2	5.9	11.3	17.0	14.8	10.7	24.4	5.9	5.6	8.3
played other intercoll sport....	21.6	13.7	22.7	21.9	31.1	26.6	28.4	40.6	13.3	12.5	20.2
transferred before graduating...	14.4	12.5	11.5	14.9	17.5	21.1	21.1	9.1	20.1	17.8	40.0
Other College Activities (5)											
assisted faculty in teaching....	4.8	2.6	2.5	4.2	9.5	11.2	6.1	8.4	9.6	10.4	2.8
attd racial/cultural workshop...	15.1	14.5	19.3	11.9	18.6	17.1	16.1	22.7	13.8	14.6	6.9
enrolled in ethnic std course...	9.5	11.6	13.4	5.7	10.4	10.2	8.2	11.9	3.0	2.9	4.0
enrolled in honors program.....	19.9	20.2	31.6	14.8	22.0	24.8	17.8	19.6	11.9	12.3	7.8
enrolled in women's std course..	4.0	5.2	2.1	2.2	5.4	3.5	5.7	8.5	0.4	0.4	0.0
in college internship program...	8.7	6.3	14.8	9.6	8.6	8.8	5.9	9.8	5.6	5.6	5.4
in social/ethnic student org....	5.3	4.7	7.4	4.2	6.7	7.7	6.0	5.3	4.5	4.8	1.7
in study abroad program.....	3.8	2.4	3.1	2.8	7.2	7.8	6.2	6.9	0.6	0.6	1.1
taken reading study/skills class	16.5	8.3	10.6	23.7	19.7	19.0	19.1	21.1	15.2	15.6	12.5
taken remedial/develop course...	8.0	5.2	1.8	11.6	8.9	11.1	11.7	3.4	14.7	15.7	6.4
worked on prof's research proj..	7.0	5.6	4.6	8.5	7.7	9.6	4.2	6.3	2.9	2.6	5.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Last Year Reported in 1988											
attended a religious service....	80.2	77.4	79.4	83.5	79.4	74.2	86.6	84.2	87.7	87.3	91.5
did extra work for class (7)....	8.1	7.8	12.4	7.1	8.1	9.7	7.2	5.9	6.3	6.1	7.3
didn't complete homework on time	72.9	66.5	64.1	77.1	78.4	79.8	71.2	80.1	75.2	74.6	81.1
drank beer.....	71.5	73.7	69.0	69.8	72.0	75.5	82.3	60.0	78.9	78.4	82.5
drank wine or liquor.....	65.6	66.8	68.6	64.6	64.5	65.5	76.7	55.7	69.7	68.7	78.1
felt depressed (7).....	8.1	11.0	6.1	7.0	6.5	6.1	7.5	6.6	11.5	11.8	8.6
felt overwhelmed (7).....	16.8	17.4	14.2	16.0	17.9	18.6	20.2	15.4	13.5	13.7	11.8
smoked cigarettes (7).....	7.5	10.0	5.6	5.8	7.4	8.6	10.2	3.6	8.1	6.0	26.0
stayed up all night.....	81.4	84.5	68.5	82.6	80.8	81.8	84.3	77.0	84.0	83.9	84.6
studied with other students.....	85.6	83.3	88.5	83.6	90.0	89.4	91.3	90.3	88.1	87.9	89.9
tutored another student.....	47.7	47.8	59.2	45.4	46.3	47.7	45.0	44.7	49.3	52.7	19.7
used a personal computer (7)....	31.2	31.2	41.0	28.1	31.8	35.4	26.6	28.5	28.4	28.1	31.4
was bored in class (7).....	36.4	37.5	42.6	33.6	36.4	37.0	24.9	42.2	28.0	28.1	27.9
was guest in teacher's home.....	31.0	25.8	29.7	33.7	34.3	33.4	30.7	37 9	30.7	31.1	27.3
won varsity letter in sports....	59.4	54.5	59.0	61.3	63 4	60.8	65.0	66.9	46.9	44.5	67.3
Reported in 1990											
attended a religious service....	62.4	54.5	66.1	65.3	67.3	59.5	74.5	76.9	58.6	58.2	62.2
attended recital or concert.....	76.5	74.9	84.0	70.7	83.6	81.3	82.6	88.0	68.0	66.4	81.7
been lonely or homesick.....	55.1	62.4	58.5	47.7	54.3	52.5	49.8	59.9	50.1	49.2	58.2
drank beer.....	79.1	82.6	80.7	74.0	80.9	82.1	87.2	75.2	76.5	76.0	80.8
drank wine or liquor.....	72.1	75.9	74.5	64.5	76.6	76.6	82.0	73.3	68.0	67.5	72.8
felt depressed (7).....	8.8	11.6	6.9	8.3	6.6	7.1	6.5	5.7	8.3	8.2	9.3
felt overwhelmed (7).....	22.8	28.6	15.0	20.9	20.8	18.8	19.5	24.9	20.9	21.0	19.3
recd personal/psych counseling..	8.5	6.8	11.7	8.8	9.2	8.5	10.3	9.8	6.9	7.0	5.9
recd voc/career counseling.....	45.5	44.9	40.8	48.4	44.0	39.4	51.8	47.5	47.4	46.5	55.3
smoked cigarettes (7).....	9.9	13.0	8.4	8.6	8.1	9.3	11.1	4.4	7.9	8.2	5.8
socialized w/diff ethnic grp (7)	45.8	46.3	50.9	42.7	47.5	45.4	45.9	52.0	49.6	49.2	53.0
stayed up all night.....	73.4	79.4	71.3	69.8	71.1	72.9	74.0	66.5	75.2	74.9	77.7
used a personal computer (7)....	41.2	38.6	58.8	35.3	46.2	44.9	48.3	47.2	39.3	38.4	46.9
Activities in Last Year of College											
did extra work for class (7)....	6.9	5.5	5.2	10.9	4.0	4.9	3.6	2.7	6.8	6.3	10.3
didn't complete homework on time	63.1	67.5	59.6	59.6	63.6	61.8	64.5	66.1	67.0	67.2	65.4
discussed course w/students (7).	58.1	48.2	65.0	62.4	62.4	63.3	62.4	60.8	62.9	63.0	61.9
felt like leaving college.....	40.7	41.8	35.6	41.1	40.6	39.5	41.8	41.7	49.8	51.5	36.7
missed class due to illness (7).	2.1	2.1	1.1	2.6	1.7	2.2	0.7	1.4	1.3	1.5	0.0
participated in intramural sport	63.0	59.3	62.6	63.7	67.0	66.5	64.0	69.6	43.1	39.9	68.2
performed volunteer work.....	41.6	34.3	46.6	42.0	48.4	44.3	42.4	59.0	38.3	38.5	36.1
studied with other students.....	89.7	87.3	92.7	89.5	92.1	92.7	92.9	90.6	84.4	82.7	97.6
took interdisciplinary course...	37.3	33.3	46.0	30.4	48.4	43.7	43.1	59.5	30.6	31.7	22.6
tutored another student.....	47.4	49.2	51.0	44.8	47.3	44.6	46.2	52.5	43.1	43.8	37.8
used a personal computer (7)....	38.6	33.2	56.0	34.0	45.2	44.3	41.0	49.2	32.6	31.8	39.9
was bored in class (7).....	29.7	37.0	27.5	27.4	24.4	25.5	24.0	22.8	21.8	22.9	13.2
was guest in professor's home...	15.3	9.0	18.9	11.2	27.5	24.2	15.6	39.9	17.1	16.3	22.9
worked on grp projects in class.	80.9	74.8	77.6	83.0	86.8	84.1	86.7	91.6	85.3	84.4	91.8
worked on ind research project..	46.8	34.1	45.0	55.0	52.5	54.2	45.4	53.4	58.0	56.4	70.5

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1988											
with parents or relatives	9.5	8.3	6.6	12.4	8.1	7.6	15.6	5.0	21.2	22.9	7.3
other private home,apt,room	27.8	28.2	24.5	29.8	25.7	31.1	19.1	20.5	29.5	29.3	30.9
college dormitory	45.9	41.9	59.9	45.1	47.3	43.2	49.3	52.9	25.4	25.4	25.0
fraternity or sorority house	8.8	13.7	2.4	4.3	10.8	9.2	5.4	16.2	15.0	13.2	30.5
other campus housing	5.9	5.9	5.5	6.1	5.9	6.7	8.0	3.5	5.8	5.7	6.3
other	2.1	2.0	1.1	2.4	2.2	2.1	2.6	2.0	3.1	3.5	0.0
Planned for Fall 1988											
with parents or relatives	16.0	16.6	8.7	21.7	10.6	9.0	24.6	5.3	57.4	60.2	30.3
other private home,apt,room	4.3	9.2	0.5	1.2	3.0	4.0	1.7	2.1	9.4	10.4	0.0
college dormitory	75.9	69.6	88.4	73.4	83.0	84.2	68.8	89.3	29.1	25.1	67.1
fraternity or sorority house	1.3	1.5	0.0	1.2	1.7	0.7	2.7	2.9	0.0	0.0	0.0
other campus housing	2.4	3.2	2.0	2.3	1.4	1.8	2.1	0.4	2.9	2.9	2.6
other	0.1	0.0	0.4	0.2	0.1	0.3	0.0	0.0	1.2	1.3	0.0
First Year											
with parents or relatives	14.5	15.0	7.7	19.8	9.2	6.7	24.3	4.8	56.8	59.9	29.1
other private home,apt,room	5.3	10.2	1.2	3.0	3.5	5.6	1.2	1.3	10.4	11.5	0.0
college dormitory	76.3	69.8	89.0	72.9	84.5	84.7	73.9	90.2	31.3	27.2	67.1
frat or sorority house	1.6	2.5	0.4	1.0	1.8	1.4	0.0	3.6	0.0	0.0	0.0
other campus student housing	1.6	1.6	0.9	2.3	1.0	1.7	0.5	0.0	1.2	0.9	3.8
other	0.7	0.8	0.8	1.1	0.0	0.0	0.2	0.0	0.4	0.4	0.0
Second Year											
with parents or relatives	18.6	17.8	13.0	22.3	17.1	17.5	29.9	9.4	55.0	57.7	34.0
other private home,apt,room	23.4	36.1	19.2	18.8	13.7	15.1	10.3	13.3	17.8	16.8	26.0
college dormitory	46.4	34.1	54.8	50.8	54.0	48.6	50.6	64.6	22.0	20.6	32.7
frat or sorority house	6.7	8.4	5.6	3.2	9.3	11.6	0.8	10.1	0.0	0.0	0.0
other campus student housing	3.9	2.7	6.5	3.4	5.2	5.9	7.8	2.6	3.1	2.6	7.3
other	1.0	0.9	0.8	1.6	0.7	1.2	0.4	0.0	2.0	2.3	0.0

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1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Objectives Noted as Essential or Very Important in 1988 (8)											
achieve in a performing art	9.1	7.7	8.0	9.0	11.2	9.9	8.8	14.9	8.0	8.5	4.4
become authority in my own field	75.5	72.2	79.3	79.0	73.8	76.1	71.0	71.3	68.9	67.7	79.2
obtain recog from colleagues	60.5	62.4	56.8	61.9	57.8	61.4	59.5	50.7	57.5	56.1	69.4
influence political structure	22.3	19.3	23.9	25.7	21.2	22.3	24.0	17.8	14.9	14.5	17.8
influence social values	31.7	27.9	29.5	32.1	36.9	33.2	43.2	39.5	31.2	28.9	51.2
raise a family	65.5	64.0	72.1	65.0	65.4	65.4	73.5	61.1	74.1	74.5	70.6
in 1990											
achieve in a performing art	9.2	9.3	7.2	9.0	9.9	10.3	11.5	8.3	12.4	12.9	8.2
become authority in my own field	76.3	71.8	76.4	80.2	76.7	78.5	75.7	74.2	72.1	70.6	83.6
obtain recog from colleagues	56.5	58.4	54.6	55.4	56.3	58.8	60.4	49.5	54.5	53.1	65.9
influence political structure	23.8	20.8	27.2	25.9	23.5	28.7	22.9	14.8	16.6	17.4	10.0
influence social values	40.1	40.3	34.7	42.6	38.5	39.7	40.9	34.9	42.6	44.2	29.9
raise a family	68.1	65.5	71.1	68.9	69.2	66.8	73.0	71.3	65.7	65.2	69.2
have admin responsibility	47.7	41.0	43.1	57.1	44.8	44.6	50.5	41.9	45.3	44.6	50.4
be very well off financially	70.3	65.5	67.7	78.6	66.0	67.0	72.5	60.6	70.4	69.9	75.0
help others in difficulty	55.5	50.8	54.1	57.6	59.3	55.7	63.1	63.2	59.0	59.8	53.2
theoretical contrib to science	13.1	12.1	14.1	11.2	16.7	15.1	14.5	20.8	15.9	16.6	10.4
write original works	14.2	13.7	16.0	12.1	17.1	13.7	16.8	23.1	20.2	21.5	9.3
create artistic work	14.0	13.3	11.3	15.8	13.3	12.0	12.4	16.1	10.5	11.0	7.0
be successful in own business	46.1	42.2	43.0	49.5	47.5	49.0	53.5	41.3	46.0	44.0	62.5
be involved in environ cleanup	41.2	41.0	35.5	39.9	45.5	45.6	39.2	49.0	41.0	41.6	36.1
develop philosophy of life	51.6	47.1	50.4	51.9	57.2	57.8	55.6	57.0	46.0	44.4	58.9
participate in community action	22.2	15.9	21.0	26.1	25.4	28.2	21.9	22.6	23.4	24.4	14.8
promote racial understanding	30.6	26.4	31.7	30.9	35.2	40.7	30.8	28.1	32.9	33.4	29.3
be expert on finance/commerce	29.1	28.8	30.5	31.7	25.4	27.0	33.6	17.9	27.6	25.7	42.6
Students Reporting Much Stronger Abilities and Skills in 1990											
general knowledge	30.5	28.7	34.6	31.2	30.2	32.0	29.3	27.5	23.6	24.0	20.2
problem-solving skills	18.4	16.2	19.5	21.1	17.3	21.7	13.8	11.8	15.7	15.5	16.7
knowledge of particular field	41.9	36.6	52.6	41.4	45.8	47.2	44.0	44.4	29.6	30.5	22.5
critical thinking ability	24.3	25.1	22.3	23.9	24.5	29.5	18.0	19.5	20.1	18.0	37.8
foreign language ability	7.9	11.7	8.6	7.5	3.4	2.4	5.8	3.9	2.1	2.2	1.1
job-related skills	18.5	16.3	13.9	24.5	14.7	18.5	15.0	8.0	12.6	12.6	12.6
religious beliefs & convictions	8.5	6.7	5.9	11.4	7.6	7.4	4.3	9.9	5.7	4.3	16.8
interest in grad/prof school	26.8	20.7	20.1	32.9	28.8	29.9	29.1	26.7	26.8	25.4	38.4
preparation for grad/prof school	17.3	12.0	16.9	20.6	19.7	20.5	14.1	21.6	10.2	8.1	26.9
leadership abilities	17.6	13.2	10.5	24.5	16.3	19.3	13.1	13.0	13.6	11.5	31.2
ability to work independently	24.1	18.2	21.2	32.3	21.7	24.3	20.7	17.8	29.0	27.7	39.1
interpersonal skills	21.2	17.5	20.0	26.2	19.4	21.0	17.5	17.6	15.2	13.3	30.6
cultural awareness	24.2	27.8	24.3	21.1	23.6	25.1	20.9	22.6	18.9	19.3	15.2
tolerance of different beliefs	19.7	20.2	17.4	19.9	19.7	20.2	17.4	20.2	14.9	15.1	12.8
acceptance of dif races/cultures	18.3	15.3	15.2	21.9	18.3	19.8	15.9	17.1	21.0	21.5	17.0
confidence in academic abilities	14.8	10.3	12.1	19.3	15.3	18.0	13.1	11.9	15.0	14.7	17.5
writing skills	12.8	9.5	13.2	16.9	11.3	11.5	9.5	12.2	6.1	6.2	5.7
public speaking ability	11.1	7.0	7.3	15.6	11.5	14.3	8.2	8.5	8.2	7.7	12.1
competitiveness	17.1	13.8	13.2	22.1	15.9	16.6	15.2	15.1	17.4	17.2	18.7
ability to work cooperatively	14.9	9.6	10.5	21.4	14.4	18.0	13.9	8.3	11.4	11.0	15.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agree Strongly or Somewhat in 1988											
abolish death penalty	15.8	16.0	19.6	11.5	19.5	21.3	21.8	15.1	19.2	19.6	15.5
abortion should be legalized	60.7	66.9	60.5	57.1	57.2	62.2	41.1	57.6	51.7	51.0	57.3
busing OK to achieve balance	47.7	49.7	48.7	46.6	46.1	48.6	44.1	42.7	46.8	44.2	68.6
college increases earning power	74.8	76.5	68.0	77.8	71.7	71.7	69.9	72.5	80.5	80.0	84.6
govt not controlling pollution	84.4	84.0	90.3	83.5	83.6	81.9	86.1	85.3	85.1	85.4	82.5
govt not promoting disarmament	57.9	55.2	62.7	58.3	58.8	59.6	56.8	58.5	68.7	69.7	60.7
govt not protecting consumer	56.0	49.7	61.1	58.3	59.0	60.4	56.8	57.8	68.2	71.4	42.2
increase fed military spending	31.1	30.3	23.8	35.1	29.9	31.7	27.2	28.2	27.2	26.1	35.9
live together before marriage	57.9	65.6	60.7	49.2	58.3	64.6	54.0	49.7	67.5	68.1	62.3
marijuana should be legalized	21.7	26.3	18.9	16.6	23.7	28.1	23.7	16.2	18.9	17.0	34.3
married women best in home	30.8	26.9	18.6	38.7	30.2	30.4	35.9	26.7	35.0	33.6	46.9
nuclear disarmanent attainable	55.8	52.3	50.6	59.7	57.2	59.2	55.4	54.8	65.6	65.1	70.0
prohibit homosexual relations	57.1	55.0	47.8	63.0	56.0	53.8	55.2	60.2	66.8	65.0	81.0
raise taxes to reduce deficit	34.9	41.2	38.8	29.8	31.6	27.6	32.6	38.1	36.7	36.4	39.0
in 1990											
abolish death penalty	20.0	21.0	23.2	16.6	22.1	21.9	21.1	22.9	17.7	18.5	10.5
abortion should be legal	70.2	77.1	71.7	64.4	68.7	74.5	62.6	62.4	65.1	65.3	63.4
busing OK to achieve balance	47.8	48.9	50.6	45.8	48.0	53.3	50.7	37.8	47.9	46.1	63.5
college ban extreme speakers	18.4	18.3	20.1	19.0	16.9	15.3	19.3	18.3	18.4	18.6	16.4
college increases earning power	56.6	53.9	45.9	68.2	47.9	50.1	46.8	44.7	56.1	57.0	48.2
college regulate off-campus acts	8.2	4.1	5.9	11.8	9.7	9.7	5.6	11.9	7.8	7.3	11.5
govt not controlling pollution	85.0	84.8	91.7	82.1	86.9	86.4	82.8	90.0	91.0	90.8	92.9
govt not promoting disarmament	52.1	52.2	54.3	50.5	53.4	55.2	58.1	47.7	61.4	64.0	38.9
govt not protecting consumer	60.3	54.1	51.4	65.6	64.1	65.4	60.2	63.9	78.2	78.7	73.2
increase fed military spending	16.4	11.2	12.9	21.6	17.2	17.3	10.9	20.5	10.9	9.9	20.0
live together before marriage	59.5	67.1	55.6	52.5	60.9	68.1	58.0	50.3	63.8	65.8	47.1
marijuana should be legalized	29.5	37.5	24.1	23.4	29.7	36.4	32.2	17.1	21.6	21.7	20.9
married women best in home	20.4	16.7	10.2	26.8	20.0	19.8	30.9	14.3	24.1	21.6	46.1
national health care plan needed	60.7	54.1	61.5	65.2	62.8	65.6	58.8	60.5	78.8	79.5	73.1
nuclear disarmament attainable	56.7	49.6	57.7	60.8	59.9	63.1	59.2	54.9	65.7	66.8	56.4
prohibit homosexual relations	40.3	34.0	27.6	48.7	41.6	39.4	43.8	44.0	38.5	35.7	62.7
raise taxes to reduce deficit	43.2	47.1	44.4	42.6	38.8	37.6	34.1	43.3	42.4	41.8	46.9
wealthy should pay more taxes	71.4	69.1	67.1	75.5	70.4	71.6	67.6	69.9	78.7	79.6	70.8
Political Orientation in 1988											
far left	2.9	1.5	3.7	4.0	2.9	4.0	0.5	2.5	1.4	1.1	3.8
liberal	23.5	21.7	22.3	25.8	23.4	24.3	25.8	20.4	29.0	29.0	29.2
middle of the road	43.3	48.0	44.1	40.0	41.3	45.2	42.0	34.0	51.1	52.0	44.2
conservative	27.4	23.0	27.6	29.8	29.9	23.8	28.0	41.8	16.7	15.9	22.8
far right	2.9	5.8	2.3	0.4	2.5	2.9	3.8	1.3	1.8	2.0	0.0
Political Orientation in 1990											
far left	2.4	3.2	0.7	2.4	1.9	2.4	1.5	1.1	1.2	1.3	0.0
liberal	23.4	23.5	32.1	17.4	28.5	29.7	21.5	30.4	15.6	16.3	9.9
middle of road	42.2	43.2	35.8	42.4	42.7	44.8	45.0	37.9	61.6	63.2	48.3
conservative	31.4	29.7	30.9	36.6	26.5	22.7	31.5	29.8	21.1	18.6	41.9
far right	0.7	0.4	0.4	1.2	0.5	0.4	0.5	0.8	0.6	0.6	0.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
None											
studying or doing homework	1.5	1.7	0.0	1.1	2.3	2.6	0.0	3.3	9.4	9.9	5.2
socializing with friends	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0
talkling w/teacher outside class	10.2	12.1	6.3	10.5	9.0	8.8	4.7	11.7	7.3	8.0	1.7
exercising or sports	1.8	1.7	1.0	1.5	2.7	1.2	4.0	4.6	1.1	0.9	2.7
partying	8.8	8.3	8.3	8.0	10.5	9.5	5.4	15.1	10.2	10.7	6.3
working (for pay)	28.2	29.6	36.2	24.5	28.2	27.5	23.1	32.4	14.4	14.8	11.1
volunteer work	58.4	58.4	49.3	63.1	55.7	58.8	49.8	53.6	62.1	62.2	61.5
student clubs and groups	36.1	34.9	25.7	42.2	33.3	33.7	27.2	36.2	46.4	48.7	28.0
watching TV	4.6	6.1	6.7	2.7	4.3	4.4	3.9	4.5	2.5	1.9	7.1
hobbies	7.0	8.1	5.7	5.3	8.6	8.3	9.9	8.3	3.9	3.9	3.5
Six or More Hours											
studying or doing homework	68.6	70.0	86.7	63.1	67.5	64.7	77.6	66.6	59.0	57.0	75.9
socializing with friends	95.2	95.2	96.7	95.1	94.7	96.1	96.9	90.9	93.2	93.2	92.8
talkling w/teacher outside class	22.9	19.3	23.4	24.9	24.3	24.4	29.8	21.2	18.5	18.0	23.0
exercising or sports	80.7	79.6	82.3	80.9	81.1	83.2	79.2	78.5	79.6	81.2	66.5
partying	59.0	63.7	63.0	51.5	61.7	64.7	70.1	51.5	59.7	57.8	74.6
working (for pay)	65.3	63.8	56.2	70.7	63.6	63.4	68.0	61.4	81.9	82.0	81.0
volunteer work	12.4	11.7	18.3	10.4	13.7	14.0	15.0	12.3	9.2	9.1	9.5
student clubs and groups	27.9	29.3	33.4	23.2	30.3	32.3	35.2	24.0	19.6	18.9	25.3
watching TV	63.3	63.2	62.5	64.9	61.7	59.9	61.3	65.2	63.3	66.0	41.4
hobbies	56.2	58.2	56.1	53.2	57.9	58.1	57.8	57.6	59.5	59.2	62.4
Sixteen or More Hours											
studying or doing homework	16.8	18.4	28.9	12.8	15.7	16.3	15.6	14.6	9.0	8.8	11.4
socializing with friends	57.2	61.8	58.3	49.4	61.5	61.3	66.3	59.1	59.2	57.8	70.7
talkling w/teacher outside class	3.7	1.4	1.4	6.3	3.8	2.2	1.1	8.1	1.1	0.5	6.3
exercising or sports	43.8	44.8	47.9	41.9	43.3	40.0	45.9	47.6	35.8	36.0	34.4
partying	17.9	18.5	12.7	16.9	20.3	22.3	21.6	16.1	15.0	13.4	28.0
working (for pay)	48.0	47.5	40.0	50.5	48.6	50.5	53.2	42.6	63.8	66.0	45.7
volunteer work	2.0	1.0	6.2	1.6	2.0	0.7	3.2	3.7	0.5	0.6	0.0
student clubs and groups	5.8	7.6	6.5	4.4	5.2	5.3	4.4	5.6	2.3	2.4	1.8
watching TV	18.3	17.1	12.9	22.8	16.0	16.5	14.4	16.1	14.4	13.7	20.1
hobbies	13.7	12.9	9.6	15.6	13.7	15.0	16.4	9.8	17.1	17.6	12.8

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
None											
classes/labs	0.7	0.9	1.3	0.2	0.9	0.6	2.0	0.8	0.9	0.9	0.4
studying/homework	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
socializing with friends	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
talking w/faculty outside class	11.3	17.7	8.6	9.7	6.2	6.7	7.7	4.3	8.1	8.3	6.2
exercising/sports	4.2	2.4	1.2	7.2	3.5	3.1	4.1	3.9	4.7	5.1	1.8
reading for pleasure	20.8	21.5	17.0	20.5	21.6	22.3	19.3	21.7	14.8	15.0	12.3
using a personal computer	17.5	20.0	6.2	22.6	11.0	11.6	9.2	10.9	14.8	15.3	10.1
partying	9.9	10.6	7.3	10.7	8.8	9.4	4.0	10.7	15.3	15.7	11.3
working (for pay)	36.4	39.7	42.1	33.7	33.8	36.8	33.1	28.8	29.2	30.6	17.7
volunteer work	63.0	72.3	64.1	59.7	55.1	58.8	57.5	47.2	57.3	56.7	62.3
student clubs/groups	44.5	50.2	34.9	45.7	39.1	40.6	48.4	30.9	50.1	48.8	60.4
watching TV	5.6	5.7	6.9	4.4	6.6	6.2	6.3	7.5	3.8	3.4	6.8
commuting to campus	53.1	48.3	64.7	50.4	59.0	55.6	52.6	68.6	34.9	33.0	51.3
religious services/meetings	54.6	63.4	51.3	51.6	48.6	59.0	37.1	37.3	53.6	54.5	46.4
hobbies	16.3	17.1	20.9	12.8	18.6	17.2	19.5	20.4	11.3	10.9	15.3
Six or More Hours											
classes/labs	89.4	90.8	91.3	87.0	90.3	89.7	88.1	92.5	88.6	88.8	86.5
studying/homework	71.4	73.1	85.1	67.3	69.9	66.6	71.6	74.4	55.1	53.4	69.9
socializing with friends	83.3	82.5	91.1	79.2	87.3	85.7	89.2	89.0	77.5	76.3	88.2
talking w/faculty outside class	1.8	0.9	0.9	3.1	1.7	2.2	2.4	0.5	5.4	5.3	6.2
exercising/sports	41.2	43.8	34.7	36.3	46.9	44.9	44.7	51.8	28.4	27.8	33.8
reading for pleasure	7.5	6.4	11.9	6.4	8.7	8.9	4.0	11.1	11.7	12.0	9.1
using a personal computer	16.1	15.2	25.1	13.6	17.2	17.6	19.4	15.4	23.3	24.2	15.6
partying	39.4	40.2	40.6	37.2	40.8	44.7	49.1	29.4	31.0	30.1	38.9
working (for pay)	53.5	50.5	48.3	56.8	54.6	52.3	55.8	58.0	61.5	60.1	73.3
volunteer work	3.0	1.7	3.1	3.4	4.2	5.0	5.0	2.2	2.5	2.6	1.5
student clubs/groups	11.9	12.7	16.5	9.3	12.8	12.5	9.2	15.4	6.2	6.5	3.9
watching TV	32.4	37.5	23.4	30.7	31.2	32.0	36.2	26.9	35.2	35.1	36.6
commuting to campus	6.6	7.3	2.2	7.7	5.7	5.9	7.3	4.3	25.2	25.6	21.6
religious services/meetings	1.2	0.8	1.0	0.5	2.7	3.7	1.3	1.8	0.7	0.4	3.2
hobbies	18.9	23.6	8.2	19.0	16.4	14.7	19.1	17.7	21.0	19.4	34.6
Sixteen or More Hours											
classes/labs	48.8	46.4	51.8	53.9	44.0	45.6	41.8	42.6	54.3	53.8	58.9
studying/homework	23.6	26.7	35.8	18.3	22.1	19.7	29.5	22.0	17.4	18.2	10.6
socializing with friends	40.9	41.9	38.9	37.5	45.0	45.4	46.1	43.5	28.5	29.0	24.8
talking w/faculty outside class	0.2	0.5	0.0	0.1	0.1	0.2	0.0	0.0	1.6	1.7	0.0
exercising/sports	9.5	8.5	8.9	6.6	15.1	12.8	14.0	19.6	7.0	6.3	13.1
reading for pleasure	0.7	1.1	0.7	0.2	0.9	1.3	0.2	0.8	2.6	2.9	0.0
using a personal computer	3.4	3.1	5.0	2.4	4.4	6.0	4.3	1.6	2.2	2.4	0.0
partying	8.8	11.9	5.8	6.2	9.3	10.8	11.1	5.8	9.6	9.7	9.0
working (for pay)	25.8	29.2	15.2	28.9	21.2	22.7	25.7	16.0	39.3	41.0	25.4
volunteer work	0.5	0.1	0.6	0.6	1.0	1.2	1.2	0.7	0.7	0.8	0.0
student clubs/groups	1.9	1.8	2.0	1.4	2.7	2.5	1.0	3.9	1.3	1.4	0.0
watching TV	7.3	8.0	3.5	8.6	5.8	8.6	2.2	3.1	9.1	9.7	3.5
commuting to campus	0.4	0.3	0.0	0.4	0.6	0.7	1.3	0.0	2.0	1.7	5.2
religious services/meetings	0.1	0.1	0.0	0.0	0.2	0.0	0.2	0.6	0.0	0.0	0.0
hobbies	3.5	3.7	1.7	3.5	3.9	1.5	4.0	8.0	4.0	3.9	5.1

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1988 (9)											
artist (including performer)	7.1	5.6	3.9	10.2	6.2	6.2	6.9	5.8	3.5	3.6	2.2
business	26.4	25.3	28.0	26.8	26.8	24.3	42.7	22.0	33.4	35.0	18.4
clergy or religious worker	0.3	0.1	0.4	0.2	0.8	1.1	0.7	0.5	0.2	0.0	2.1
college teacher	0.5	0.3	0.6	0.7	0.6	0.8	0.1	0.5	0.0	0.0	0.0
doctor (MD or DDS)	5.8	7.8	9.8	2.6	5.8	3.4	6.7	9.3	0.5	0.5	1.1
education (secondary)	2.9	2.4	0.0	3.7	3.6	1.9	3.3	6.7	1.4	1.4	1.3
education (elementary)	0.5	0.0	0.5	1.1	0.5	0.5	0.2	0.5	0.5	0.5	0.9
engineer	13.2	17.3	17.0	10.1	10.9	18.5	3.8	2.2	22.0	22.2	20.7
farmer or forester	0.6	0.0	0.5	0.7	1.2	0.0	0.9	3.4	1.9	2.1	0.0
health professional (non-M.D.)	3.0	3.3	3.4	2.8	2.8	3.0	1.9	3.0	1.9	1.6	4.8
lawyer	6.4	5.8	11.4	4.6	7.5	8.2	6.7	6.6	3.9	3.6	6.8
nurse	0.1	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.4	0.5	0.0
research scientist	1.9	2.8	3.3	0.5	1.9	2.5	1.0	1.5	5.2	5.5	1.7
other choice	17.8	18.9	12.7	17.5	18.7	19.8	13.6	19.7	21.3	20.0	33.7
undecided	13.4	10.5	8.5	18.3	12.6	9.6	11.5	18.3	4.0	3.7	6.4
Probable Career in 1990 (9)											
artist (including performer)	9.8	13.3	5.5	9.5	7.0	7.8	7.2	5.5	9.9	10.4	5.3
business	27.3	29.5	29.2	24.8	27.2	23.6	41.2	25.4	24.0	23.5	28.9
clergy or religious worker	0.4	0.2	0.4	0.3	0.9	0.7	0.5	1.4	0.3	0.0	3.3
college teacher	1.4	1.2	3.2	0.4	2.4	2.0	2.3	3.3	0.6	0.7	0.0
doctor (MD or DDS)	4.2	6.5	5.3	2.1	3.7	2.0	4.5	6.1	0.4	0.4	0.0
education (secondary)	6.1	3.7	0.7	10.7	4.5	2.5	5.1	7.5	3.2	3.2	3.2
education (elementary)	1.1	1.9	0.0	1.0	0.7	0.9	0.0	0.7	1.6	1.6	1.9
engineer	10.0	10.8	13.5	10.6	7.1	10.5	5.5	2.1	21.7	22.6	14.6
farmer or forester	0.8	1.3	0.5	0.4	0.8	0.7	1.4	0.7	0.9	1.0	0.0
health professional (non-M.D.)	1.8	2.2	2.3	0.6	2.6	2.8	1.5	2.9	1.8	1.9	0.6
lawyer	5.9	5.5	9.6	4.4	7.1	7.0	8.2	6.5	4.2	4.6	1.4
nurse	0.1	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.0
research scientist	2.3	1.8	3.9	1.8	3.3	3.2	1.2	4.6	3.1	3.3	1.5
other choice	20.6	15.1	19.3	25.6	21.3	22.2	15.2	23.1	23.1	22.2	30.9
undecided	8.2	6.8	6.6	7.6	11.4	13.9	6.4	10.2	4.7	4.3	8.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988 (9)											
agriculture	1.1	1.3	0.5	1.4	0.8	0.7	0.0	1.4	2.5	2.6	1.4
biological sciences	4.1	4.7	4.2	3.5	4.0	2.8	4.9	5.4	0.9	0.8	1.7
business	27.2	27.6	28.5	26.8	26.8	23.1	44.5	23.3	30.9	31.6	24.2
education	6.0	1.4	0.5	13.1	4.9	3.8	3.4	7.4	2.1	1.8	5.2
engineering	14.5	18.8	19.2	11.6	11.1	18.6	5.6	1.8	26.7	27.2	21.3
English	1.4	1.1	1.8	1.4	1.4	1.2	0.2	2.5	0.5	0.6	0.0
health professional	4.4	6.0	6.0	1.3	5.4	3.9	5.4	8.0	2.1	1.9	4.8
history or political science	4.5	3.5	9.2	3.1	5.9	5.4	6.6	6.3	1.2	1.3	0.0
humanities	1.9	1.5	2.2	0.6	4.1	4.3	3.3	4.2	1.6	1.3	4.4
fine arts	5.5	7.5	4.3	5.8	3.2	4.2	3.0	1.7	4.9	4.0	13.3
mathematics or statistics	1.7	0.8	2.1	2.8	1.3	1.2	0.7	1.7	0.3	0.3	0.0
physical sciences	3.3	3.5	4.3	2.2	4.0	4.8	2.6	3.4	3.3	3.6	0.0
social sciences	4.4	2.6	3.6	3.1	8.5	6.9	6.0	12.4	3.1	2.8	5.3
other technical	6.4	4.7	2.7	11.4	3.6	4.5	2.1	3.0	7.3	7.4	6.7
other non-technical	7.8	8.1	7.0	7.5	8.2	8.9	8.9	6.7	9.0	9.0	8.4
undecided	5.7	6.6	3.8	4.4	6.8	5.8	2.7	10.7	3.7	3.8	3.3
Major Reported in 1990 (9)											
agriculture	1.2	1.6	0.0	1.5	0.7	0.7	0.0	1.0	1.6	1.7	1.2
biological sciences	4.8	6.4	4.3	3.6	4.8	2.7	4.5	8.4	2.5	2.4	3.9
business	25.7	24.1	25.5	26.1	27.3	22.7	42.5	26.4	21.4	20.1	32.3
education	4.2	4.0	0.3	5.5	4.1	3.4	3.3	5.7	4.0	3.9	4.5
engineering	11.4	12.2	16.6	11.3	8.5	14.0	4.7	1.4	21.1	21.8	15.7
English	1.8	1.5	4.0	0.7	2.9	2.0	3.6	3.9	1.0	1.2	0.0
health professional	2.6	3.5	3.2	1.6	2.4	2.0	2.2	3.3	1.5	1.6	1.1
history or political science	7.1	6.7	14.8	4.1	8.8	9.6	10.1	6.8	3.8	4.3	0.0
humanities	3.2	4.0	6.1	1.1	4.2	2.9	5.0	5.9	2.5	2.2	4.8
fine arts	8.1	8.9	3.3	10.6	5.5	6.6	5.2	3.9	2.7	2.1	7.1
mathematics or statistics	1.5	1.5	0.5	1.3	2.0	1.7	0.6	3.3	0.3	0.3	0.9
physical sciences	3.1	2.2	3.9	2.3	5.1	5.7	3.0	5.3	3.7	4.2	0.0
social sciences	9.2	7.4	8.8	10.7	9.7	8.3	6.7	13.6	11.5	12.1	6.5
other technical	5.6	4.6	3.4	8.4	4.0	5.3	2.3	2.7	7.3	8.0	1.9
other non-technical	7.3	5.7	5.2	8.3	8.9	12.1	5.0	5.7	13.7	13.8	12.8
undecided	3.1	5.5	0.0	2.9	1.2	0.3	1.1	2.7	1.3	0.5	7.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
College Objectives Noted as Being of High Priority											
allow airing of diff opinions...	26.2	25.2	28.0	22.5	31.8	33.9	27.8	30.4	17.6	17.2	20.6
conduct basic & applied research	26.0	44.9	38.3	12.8	15.5	20.6	7.7	11.2	26.2	28.1	10.7
create multi-cultural environ...	23.7	25.2	26.0	21.3	24.1	22.7	25.1	25.9	15.1	15.5	12.6
create positive undergrad exp...	40.8	35.9	45.5	36.7	50.7	49.1	53.4	52.0	34.1	33.9	35.7
devel apprec of multi-cultrl soc	20.9	21.0	26.4	15.4	26.0	25.4	27.3	26.0	14.2	14.4	12.9
devel community among fac/stdnts	23.1	13.2	21.4	22.3	37.4	35.5	43.4	37.1	18.5	17.6	25.1
devel leadership abil in stdnts.	23.5	15.6	17.4	28.8	28.7	31.8	30.1	22.7	24.0	22.6	34.5
devel leadership ability in fac.	12.7	13.8	11.3	9.7	15.6	16.7	13.8	14.8	20.1	19.0	28.9
economize and cut costs.....	27.4	29.3	25.1	30.4	22.1	22.6	18.5	23.4	23.5	23.4	23.8
enhance inst's national image...	47.6	49.8	66.0	37.8	51.2	54.8	46.8	47.5	34.1	34.7	29.2
facilitate cmty svcs involvement	12.7	7.3	16.4	10.9	20.4	18.3	24.1	22.1	8.8	8.2	13.1
help solve soc/environ problems.	14.6	13.4	12.0	14.5	17.4	19.4	11.7	17.1	20.0	19.4	24.5
help students understand values.	23.4	14.7	30.0	19.0	37.9	32.6	47.0	41.7	24.4	21.2	50.2
hire faculty "stars".....	7.4	9.0	13.5	4.0	7.7	8.7	4.7	7.8	7.7	7.9	6.4
increase minorities in fac/admin	22.0	23.5	14.9	24.8	18.8	20.4	17.3	16.8	14.5	15.6	5.6
increase women in fac/admin.....	9.2	7.3	9.0	10.8	9.5	11.4	12.7	4.5	9.1	9.3	7.4
increase/maintain inst prestige.	50.0	48.6	71.3	37.1	61.1	61.0	55.6	64.2	36.0	34.4	48.5
promote intellectual development	51.5	48.7	56.5	43.7	63.8	57.7	69.2	71.2	45.8	47.1	35.5
raise money for the institution.	42.9	49.4	58.3	24.3	53.9	53.3	51.3	56.3	29.6	27.7	45.2
recruit more minority students..	24.3	25.8	22.0	24.5	23.1	23.5	19.5	24.5	17.8	18.6	11.4
teach students how to change soc	12.1	9.5	12.3	11.3	16.4	17.9	10.9	17.0	15.8	15.3	19.8

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Religious Affiliation in 1988											
Baptist	11.3	7.7	4.0	16.1	12.4	11.6	1.4	20.1	12.6	12.5	13.1
Buddhist	0.7	1.6	0.2	0.0	0.6	0.1	0.0	1.8	0.0	0.0	0.0
Congregational (UCC)	1.2	0.9	1.5	1.0	1.6	1.5	0.3	2.6	0.9	0.9	0.8
Eastern Orthodox	0.5	1.0	0.5	0.0	0.4	0.3	0.3	0.4	0.4	0.5	0.0
Episcopal	2.8	1.8	6.8	2.3	3.0	3.5	0.7	3.5	2.0	2.1	1.1
Islamic	0.1	0.0	0.4	0.0	0.3	0.2	0.0	0.5	0.0	0.0	0.0
Jewish	3.5	3.4	14.0	1.6	2.1	4.1	0.0	0.0	4.8	5.2	1.4
Latter Day Saints (Mormon)	0.2	0.2	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lutheran	8.4	13.2	2.9	7.2	5.9	3.3	3.0	12.0	7.0	6.1	13.8
Methodist	8.3	7.7	5.0	9.1	9.3	9.4	5.8	11.2	5.3	5.1	6.4
Presbyterian	5.7	8.4	2.8	4.2	5.3	4.6	1.5	8.9	4.1	4.6	0.0
Quaker (Society of Friends)	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roman Catholic	31.7	24.2	42.0	38.0	29.0	21.8	74.8	14.9	37.1	36.4	42.9
Seventh Day Adventist	0.2	0.5	0.0	0.0	0.2	0.1	0.5	0.0	0.4	0.4	0.0
other Protestant	4.9	4.1	1.9	5.1	6.7	7.7	1.1	8.1	8.5	9.0	4.4
other religion	5.1	4.8	2.4	4.6	7.1	10.0	1.5	5.4	7.8	7.7	8.6
none	15.4	19.7	15.1	10.5	16.2	21.8	9.0	10.7	9.2	9.5	7.4
Religious Affiliation in 1990											
Baptist	12.1	5.1	3.3	22.3	10.4	8.9	1.3	18.2	4.4	3.1	14.7
Buddhist	0.7	1.8	1.0	0.0	0.2	0.1	0.0	0.4	0.0	0.0	0.0
Congregational (UCC)	0.9	0.5	1.5	0.8	1.4	1.1	0.3	2.4	0.1	0.0	0.8
Eastern Orthodox	0.6	0.8	0.5	0.3	0.9	0.3	0.3	2.1	0.0	0.0	0.0
Episcopal	2.9	2.3	5.7	2.7	3.0	3.6	0.7	3.1	2.2	2.3	1.1
Islamic	0.1	0.0	0.0	0.0	0.4	0.5	0.0	0.5	0.6	0.5	1.4
Jewish	3.6	3.5	14.4	1.4	2.6	4.4	0.0	0.9	4.7	5.1	1.3
Latter Day Saints (Mormon)	0.2	0.2	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lutheran	7.6	12.3	3.0	6.1	5.3	2.9	2.8	11.0	6.6	5.7	13.3
Methodist	7.2	7.8	4.5	6.9	8.0	9.0	2.0	9.7	5.5	5.6	4.9
Presbyterian	4.5	6.4	2.4	3.2	4.7	5.1	1.5	5.8	6.4	5.0	17.5
Quaker (Society of Friends)	0.3	0.3	0.7	0.0	0.6	1.0	0.0	0.2	0.2	0.2	0.0
Roman Catholic	30.8	24.1	40.4	34.8	30.3	25.2	72.5	14.9	36.7	38.1	24.8
Seventh Day Adventist	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
other Protestant	7.0	8.6	3.6	5.8	8.0	9.2	2.2	9.2	7.1	6.7	9.6
other religion	4.5	5.1	1.7	3.4	6.3	8.6	2.2	4.8	8.6	9.2	3.5
none	16.6	20.7	16.0	12.0	18.1	20.1	14.2	16.7	16.8	18.0	7.1

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
Studying or Doing Homework											
none	1.5	1.7	0.0	1.1	2.3	2.6	0.0	3.3	9.4	9.9	5.2
less than one	10.9	15.6	2.6	10.3	9.3	8.9	5.4	12.1	14.5	15.7	4.2
1-2	18.9	12.7	10.7	25.5	20.9	23.8	17.0	18.0	17.0	17.3	14.7
3-5	29.2	29.5	29.9	29.4	28.4	29.0	26.8	28.2	22.1	21.2	29.4
6-10	22.6	22.1	28.0	20.9	23.4	19.3	35.2	23.8	27.9	27.0	35.0
11-15	9.6	10.5	15.7	7.2	9.5	9.2	10.8	9.2	6.3	6.1	7.3
16-20	4.5	5.5	7.8	3.0	4.2	4.8	4.2	3.1	2.8	2.6	4.2
more than 20	2.7	2.4	5.3	2.6	2.0	2.4	0.6	2.3	0.0	0.0	0.0
Socializing with Friends											
none	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0
less than one	0.9	0.8	0.0	1.2	0.9	0.8	0.1	1.5	0.8	0.8	0.5
1-2	3.9	4.1	3.3	3.7	4.3	3.0	3.0	7.3	6.0	6.0	6.8
3-5	15.1	10.7	14.4	20.2	14.1	15.2	11.5	13.7	12.0	12.7	6.0
6-10	22.8	22.6	24.1	25.5	19.1	19.6	19.1	18.2	22.0	22.7	16.1
11-15	20.1	20.3	25.3	17.8	21.0	23.3	17.3	19.1	15.7	14.1	29.0
16-20	13.9	16.6	19.0	9.3	14.7	13.4	18.8	14.3	12.6	12.1	16.9
more than 20	23.2	25.0	14.0	22.2	25.9	24.6	30.1	25.6	30.8	31.5	24.8
Talking w/Teacher Outside Class											
none	10.2	12.1	6.3	10.5	9.0	8.8	4.7	11.7	7.3	8.0	1.7
less than one	37.1	39.2	34.9	38.5	33.6	33.5	34.9	33.1	42.1	40.9	51.9
1-2	29.8	29.3	35.4	26.1	33.0	33.3	30.6	33.9	32.0	33.1	23.4
3-5	15.5	15.0	18.8	15.6	14.6	14.8	21.6	10.3	11.7	12.3	6.5
6-10	3.7	2.9	3.1	3.0	5.9	7.4	7.1	2.8	5.7	5.2	10.2
11-15	1.6	0.9	1.4	2.8	0.7	0.4	0.8	1.3	0.8	0.5	3.0
16-20	0.8	0.4	0.0	1.8	0.2	0.2	0.0	0.4	0.0	0.0	0.0
more than 20	1.3	0.2	0.0	1.7	2.8	1.6	0.2	6.4	0.4	0.0	3.3
Exercising or Sports											
none	1.8	1.7	1.0	1.5	2.7	1.2	4.0	4.6	1.3	0.9	2.7
less than one	5.3	5.9	4.3	4.4	6.3	5.5	6.1	7.7	7.1	7.4	4.7
1-2	12.2	12.8	12.3	13.3	9.9	10.1	10.7	9.2	12.3	10.6	26.0
3-5	19.1	14.3	17.7	23.8	19.4	23.5	12.9	15.9	27.1	28.0	19.6
6-10	17.7	20.4	16.6	15.1	18.4	19.7	20.4	15.0	16.6	17.1	12.6
11-15	18.5	18.8	18.1	19.1	17.7	17.6	17.9	17.8	13.4	13.6	12.1
16-20	10.7	11.9	14.1	10.5	8.3	7.0	10.9	8.9	5.3	5.1	6.9
more than 20	14.5	14.1	15.8	12.4	17.4	15.4	17.1	21.0	17.2	17.4	15.3
Partying											
none	8.8	8.3	8.3	8.0	10.5	9.5	5.4	15.1	10.2	10.7	6.3
less than one	15.2	13.9	12.9	20.2	11.2	7.5	10.3	18.4	11.7	12.0	9.2
1-2	17.0	14.1	15.8	20.3	16.6	18.3	14.2	15.0	18.5	19.5	9.9
3-5	22.8	26.0	25.9	19.4	22.3	21.9	21.8	23.2	16.0	16.5	12.7
6-10	18.3	19.1	24.4	15.2	19.1	20.4	26.7	12.3	28.6	28.0	33.9
11-15	7.3	8.2	7.3	5.9	8.2	9.9	10.5	3.7	6.0	5.2	12.5
16-20	4.6	6.1	4.6	3.8	3.8	3.9	4.7	3.0	4.4	4.5	3.6
more than 20	6.0	4.3	0.8	7.2	8.4	8.5	6.4	9.4	4.5	3.6	11.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
Working (For Pay)											
none	28.2	29.6	36.2	24.5	28.2	27.5	23.1	32.4	14.4	14.8	11.1
less than one	2.7	3.5	1.7	1.7	3.3	3.2	4.0	3.0	0.8	0.7	1.1
1-2	3.8	3.1	5.9	3.0	4.9	5.9	4.9	3.2	3.0	2.5	6.8
3-5	9.3	8.7	7.9	12.8	6.1	5.6	3.0	8.9	7.2	5.6	20.7
6-10	7.9	7.6	8.3	7.4	8.9	7.3	11.8	9.9	10.9	10.4	14.6
11-15	10.0	10.3	11.5	8.7	10.7	10.3	13.6	9.6	13.9	14.7	8.0
16-20	13.9	14.9	12.3	13.1	14.4	15.7	12.8	13.0	25.6	27.0	14.1
more than 20	24.2	22.3	16.2	28.8	23.6	24.5	26.8	20.0	24.2	24.3	23.7
Volunteer Work											
none	58.4	58.4	49.3	63.1	55.7	58.8	49.8	53.6	62.1	62.2	61.5
less than one	17.2	20.0	15.4	15.6	16.7	15.0	17.6	19.0	14.5	14.6	14.0
1-2	12.0	9.8	17.0	10.9	14.0	12.1	17.6	15.1	14.2	14.1	15.1
3-5	8.0	9.1	7.8	6.3	8.8	9.7	9.5	6.8	7.6	7.8	5.8
6-10	2.5	1.7	4.3	2.4	2.9	3.7	2.2	1.9	1.1	0.7	3.7
11-15	1.1	0.1	5.7	0.7	1.2	0.2	0.4	3.5	0.5	0.6	0.0
16-20	0.1	0.0	0.0	0.3	0.1	0.0	0.7	0.0	0.0	0.0	0.0
more than 20	0.7	0.8	0.5	0.6	0.7	0.5	2.1	0.2	0.0	0.0	0.0
Student Clubs and Groups											
none	36.1	34.9	25.7	42.2	33.3	33.7	27.2	36.2	46.4	48.7	28.0
less than one	12.5	12.1	12.3	12.0	13.8	10.7	14.3	19.1	11.1	9.0	28.4
1-2	23.5	23.7	28.6	22.6	22.6	23.4	23.3	20.7	22.9	23.4	18.2
3-5	15.8	17.2	18.7	13.6	15.9	17.4	16.2	13.0	14.7	14.2	18.3
6-10	6.3	4.5	8.3	5.2	9.2	9.6	14.6	5.4	2.6	2.2	5.3
11-15	2.9	3.0	3.5	3.4	2.1	2.5	1.5	1.8	0.9	0.8	1.8
16-20	1.4	2.2	1.3	0.6	1.5	1.3	1.3	2.1	0.0	0.0	0.0
more than 20	1.5	2.4	1.7	0.4	1.6	1.6	1.7	1.7	1.4	1.6	0.0
Watching TV											
none	4.6	6.1	6.7	2.7	4.3	4.4	3.9	4.5	2.5	1.9	7.1
less than one	13.8	13.0	11.0	16.5	12.1	12.6	13.1	10.8	10.7	9.2	22.9
1-2	18.3	17.8	19.8	15.8	21.8	23.1	21.7	19.5	23.5	22.9	28.5
3-5	24.5	23.5	23.3	23.5	27.5	29.2	28.9	23.7	27.6	29.2	14.5
6-10	20.5	22.6	26.3	18.6	18.2	14.3	18.0	25.4	21.3	23.1	6.7
11-15	9.8	8.6	9.9	12.0	8.4	7.7	7.1	10.4	6.2	5.3	13.1
16-20	2.9	3.2	0.7	4.0	2.0	1.9	3.2	1.4	3.1	3.3	2.1
more than 20	5.6	5.3	2.4	6.9	5.6	6.9	4.1	4.2	5.1	5.1	5.0
Hobbies											
none	7.0	8.1	5.7	5.3	8.6	8.3	9.9	8.3	3.9	3.9	3.5
less than one	12.9	11.4	13.3	15.1	11.5	10.8	10.4	13.5	20.5	21.0	17.1
1-2	23.9	22.3	25.0	26.4	22.0	22.8	21.9	20.6	16.1	16.0	17.0
3-5	26.4	31.2	28.5	19.8	28.5	26.1	28.6	32.6	29.7	28.6	38.3
6-10	16.1	14.1	17.9	17.8	15.8	17.1	12.8	15.2	12.8	12.9	11.3
11-15	5.7	5.8	6.3	5.5	5.5	6.0	5.3	4.6	6.0	6.2	4.1
16-20	2.5	1.8	0.7	2.8	3.5	3.9	6.1	1.5	3.3	3.4	2.5
more than 20	5.6	5.4	2.6	7.2	4.7	5.1	5.1	3.7	7.8	8.0	6.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Classes or Labs											
none	0.7	0.9	1.3	0.2	0.9	0.6	2.0	0.8	0.9	0.9	0.4
less than one	2.0	0.2	0.9	5.3	0.2	0.2	0.3	0.4	0.6	0.7	0.0
1-2	3.0	2.4	1.6	3.7	3.1	3.7	4.1	1.7	4.0	3.7	6.6
3-5	4.9	5.8	4.9	3.7	5.5	5.9	5.6	4.6	6.0	5.9	6.5
6-10	8.8	8.5	6.1	9.3	9.6	8.4	6.7	13.4	7.1	6.8	9.1
11-15	31.8	35.9	33.5	23.9	36.6	35.6	39.6	36.5	27.2	28.2	18.5
16-20	35.2	32.6	40.7	39.3	30.8	30.7	30.5	31.2	32.6	31.4	42.6
more than 20	13.7	13.8	11.1	14.6	13.2	14.9	11.3	11.4	21.7	22.4	16.3
Studying or Homework											
none	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
less than one	1.0	1.1	0.0	1.1	1.2	0.8	2.5	1.0	1.1	1.2	0.8
1-2	4.7	2.0	5.5	4.9	7.5	9.2	6.4	5.4	6.6	6.5	7.2
3-5	22.9	23.8	9.4	26.7	21.4	23.4	19.4	19.2	37.1	38.9	22.1
6-10	31.1	27.0	32.1	35.5	29.9	29.8	24.9	33.0	23.2	20.4	47.5
11-15	16.8	19.3	17.1	13.4	17.9	17.2	17.3	19.4	14.5	14.9	11.7
16-20	11.7	14.1	16.6	9.6	9.5	6.7	16.1	10.6	9.2	9.4	7.7
more than 20	11.9	12.6	19.2	8.7	12.6	13.0	13.3	11.4	8.2	8.8	2.9
Socializing with Friends											
none	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
less than one	0.7	1.1	0.0	0.9	0.1	0.1	0.0	0.1	1.3	1.5	0.0
1-2	4.1	6.1	3.0	3.8	2.5	4.1	0.9	0.7	4.6	4.9	1.8
3-5	11.8	10.2	5.9	16.2	10.1	10.1	9.8	10.1	16.6	17.4	10.0
6-10	23.6	23.2	30.9	20.5	25.6	24.2	23.1	29.5	31.1	31.7	26.1
11-15	18.9	17.4	21.4	21.2	16.7	16.1	20.0	16.0	17.9	15.6	37.3
16-20	13.9	13.9	17.6	12.7	14.2	11.9	14.6	17.9	10.1	10.2	8.9
more than 20	27.0	28.0	21.2	24.9	30.8	33.5	31.5	25.6	18.4	18.7	15.9
Talking w/Faculty Outside Class											
none	11.3	17.7	8.6	9.7	6.2	6.7	7.7	4.3	8.1	8.3	6.2
less than one	48.2	53.6	49.1	46.4	43.3	46.6	42.6	37.8	49.3	52.1	24.8
1-2	28.1	21.5	34.9	26.4	36.7	32.4	31.3	47.1	28.9	26.8	47.3
3-5	10.6	6.3	6.5	14.5	12.2	12.0	16.0	10.3	8.4	7.6	15.4
6-10	1.6	0.4	0.9	2.9	1.3	1.6	2.1	0.5	1.1	0.5	6.2
11-15	0.1	0.0	0.0	0.0	0.3	0.4	0.3	0.0	2.7	3.1	0.0
16-20	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	1.6	1.7	0.0
more than 20	0.2	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exercising or Sports											
none	4.2	2.4	1.2	7.2	3.5	3.1	4.1	3.9	4.7	5.1	1.8
less than one	6.3	7.0	10.0	5.3	5.2	4.1	7.2	6.0	8.9	9.2	7.0
1-2	18.0	20.6	17.1	16.4	17.2	18.3	12.5	18.1	21.3	20.1	31.3
3-5	30.3	26.1	37.0	34.8	27.1	29.6	31.5	20.2	36.6	37.8	26.1
6-10	21.0	25.1	22.2	18.2	19.1	17.0	22.9	20.5	13.1	13.9	6.3
11-15	10.7	10.2	3.6	11.5	12.8	15.2	7.8	11.7	8.2	7.5	14.4
16-20	4.1	3.6	5.5	1.7	7.7	5.1	5.8	13.4	2.7	2.1	7.4
more than 20	5.4	5.0	3.4	4.9	7.3	7.7	8.2	6.2	4.4	4.2	5.7

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Reading for Pleasure											
none	20.8	21.5	17.0	20.5	21.6	22.3	19.3	21.7	14.8	15.0	12.3
less than one	28.7	29.3	31.0	28.0	28.3	27.7	27.6	29.7	23.9	24.7	17.1
1-2	26.3	23.9	25.0	27.9	27.8	27.4	36.2	23.7	30.1	28.6	42.9
3-5	16.7	18.9	15.1	17.3	13.6	13.6	13.0	13.8	19.5	19.6	18.5
6-10	5.4	3.3	8.6	5.3	7.1	6.6	3.0	10.2	7.7	8.3	2.6
11-15	1.3	2.0	2.6	0.9	0.7	1.0	0.8	0.2	1.4	0.8	6.5
16-20	0.6	1.0	0.3	0.2	0.7	0.9	0.0	0.8	0.7	0.8	0.0
more than 20	0.1	0.1	0.3	0.0	0.2	0.4	0.2	0.0	1.9	2.1	0.0
Using a Personal Computer											
none	17.5	20.0	6.2	22.6	11.0	11.6	9.2	10.9	14.8	15.3	10.1
less than one	24.6	28.9	19.1	23.9	22.0	19.5	21.6	26.7	23.3	24.7	11.2
1-2	22.5	20.6	26.2	22.1	24.4	25.7	29.5	19.1	24.1	22.8	34.8
3-5	19.3	15.3	23.3	17.8	25.4	25.6	20.3	27.9	14.6	13.0	28.3
6-10	9.4	7.7	16.2	9.0	9.6	7.8	12.0	11.2	15.2	15.5	12.9
11-15	3.3	4.4	3.9	2.2	3.3	3.8	3.1	2.5	5.9	6.3	2.8
16-20	1.1	1.3	2.1	0.5	1.4	1.8	1.2	0.7	0.7	0.7	0.0
more than 20	2.2	1.8	2.9	1.9	3.0	4.1	3.1	0.9	1.5	1.7	0.0
Partying											
none	9.9	10.6	7.3	10.7	8.8	9.4	4.0	10.7	15.3	15.7	11.3
less than one	10.7	13.7	9.0	10.6	7.4	5.7	5.3	11.7	13.5	14.3	6.3
1-2	15.9	13.9	17.5	17.6	15.5	15.7	13.2	16.7	12.2	10.6	25.1
3-5	24.1	21.5	25.6	23.9	27.3	24.5	28.4	31.6	28.1	29.2	18.3
6-10	22.4	19.8	27.4	24.7	20.9	22.1	21.1	18.5	6.6	6.2	9.8
11-15	8.2	8.6	7.5	6.3	10.6	11.7	16.9	5.1	14.9	14.2	20.2
16-20	4.9	8.5	4.7	2.6	3.3	3.0	4.0	3.6	0.7	0.7	1.0
more than 20	3.9	3.4	1.1	3.6	6.0	7.9	7.1	2.2	8.9	9.0	8.0
Working (For Pay)											
none	36.4	39.7	42.1	33.7	33.8	36.8	33.1	28.8	29.2	30.6	17.7
less than one	1.9	2.3	0.9	2.0	1.5	2.0	0.9	1.1	1.7	1.6	2.6
1-2	2.3	2.0	3.2	2.7	1.9	1.0	1.1	4.1	2.2	2.1	3.5
3-5	5.9	5.5	5.5	4.8	8.2	7.9	9.1	8.1	5.4	5.7	2.9
6-10	14.4	9.0	17.9	14.8	19.8	18.4	19.0	22.8	12.7	10.2	34.4
11-15	13.2	12.4	15.2	13.2	13.6	11.2	11.0	19.3	9.4	9.0	13.5
16-20	9.2	10.2	6.9	10.6	6.7	7.1	7.5	5.7	15.8	16.1	13.7
more than 20	16.6	18.9	8.3	18.2	14.5	15.7	18.2	10.3	23.5	24.9	11.7
Volunteer Work											
none	63.0	72.3	64.1	59.7	55.1	58.8	57.5	47.2	57.3	56.7	62.3
less than one	14.6	10.3	15.8	16.1	17.8	15.5	20.8	20.1	19.1	20.0	11.8
1-2	14.4	11.2	11.5	16.9	16.0	13.0	11.2	24.2	11.7	10.9	18.5
3-5	5.0	4.6	5.6	3.9	6.9	7.7	5.5	6.3	9.4	9.8	5.8
6-10	2.1	1.2	2.2	2.6	2.3	2.3	3.8	1.6	1.0	0.9	1.5
11-15	0.4	0.3	0.3	0.2	0.8	1.6	0.0	0.0	0.8	0.9	0.0
16-20	0.3	0.1	0.0	0.2	0.7	0.7	0.6	0.7	0.0	0.0	0.0
more than 20	0.3	0.0	0.6	0.4	0.3	0.4	0.6	0.0	0.7	0.8	0.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Student Clubs/Groups											
none	44.5	50.2	34.9	45.7	39.1	40.6	48.4	30.9	50.1	48.8	60.4
less than one	14.4	12.8	17.5	17.4	11.1	9.8	12.5	12.5	12.2	12.2	12.1
1-2	17.3	14.9	19.5	16.0	21.4	21.2	19.0	23.1	17.8	17.5	20.3
3-5	11.9	9.4	11.7	11.5	15.7	15.8	10.9	18.2	13.6	14.9	3.4
6-10	7.6	9.1	11.2	5.5	7.3	6.6	6.1	9.2	3.8	3.9	2.7
11-15	2.4	1.8	3.2	2.4	2.8	3.4	2.0	2.2	1.1	1.1	1.2
16-20	0.8	0.7	0.7	0.5	1.5	1.5	0.8	1.8	0.4	0.5	0.0
more than 20	1.1	1.1	1.3	0.9	1.2	1.0	0.3	2.1	0.9	1.0	0.0
Watching TV											
none	5.6	5.7	6.9	4.4	6.6	6.2	6.3	7.5	3.8	3.4	6.8
less than one	12.9	15.4	19.9	9.2	12.0	10.2	8.2	17.4	12.5	12.5	12.8
1-2	21.4	19.8	22.7	21.9	22.5	23.0	19.7	23.4	25.9	27.3	14.2
3-5	27.8	21.7	27.1	33.9	27.6	28.6	29.5	24.9	22.6	21.7	29.7
6-10	18.4	19.4	16.8	17.5	19.1	17.2	26.9	17.8	20.9	19.7	30.8
11-15	6.6	10.1	3.1	4.6	6.2	6.1	7.0	5.9	5.3	5.6	2.3
16-20	3.9	4.8	2.4	4.3	2.5	3.5	0.4	2.2	3.4	3.4	3.5
more than 20	3.4	3.2	1.1	4.3	3.3	5.2	1.8	0.9	5.7	6.3	0.0
Commuting to Campus											
none	53.1	48.3	64.7	50.4	59.0	55.6	52.6	68.6	34.9	33.0	51.3
less than one	17.9	24.5	12.0	16.5	13.5	11.4	10.6	18.7	7.4	7.3	8.8
1-2	11.8	10.6	11.2	13.0	12.0	14.8	16.0	4.8	12.1	12.9	5.3
3-5	10.6	9.3	9.9	12.4	9.9	12.3	13.5	3.6	20.4	21.3	13.0
6-10	5.6	6.5	1.8	6.7	4.3	4.0	5.7	4.0	21.8	23.0	11.7
11-15	0.6	0.5	0.4	0.6	0.8	1.3	0.3	0.3	1.3	0.9	4.7
16-20	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.6	0.0	5.2
more than 20	0.4	0.3	0.0	0.4	0.5	0.6	1.3	0.0	1.5	1.7	0.0
Religious Services or Meetings											
none	54.6	63.4	51.3	51.6	48.6	59.0	37.1	37.3	53.6	54.5	46.4
less than one	17.6	15.8	23.7	17.2	18.4	13.5	28.0	21.0	15.8	15.3	19.8
1-2	22.5	15.5	20.0	27.9	25.1	19.9	31.1	30.4	27.6	28.8	17.1
3-5	4.1	4.5	4.1	2.9	5.3	3.8	2.5	9.5	2.3	1.0	13.5
6-10	1.0	0.7	1.0	0.4	2.2	3.5	0.9	0.9	0.7	0.4	3.2
11-15	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.0	0.0	0.0
16-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
more than 20	0.1	0.1	0.0	0.0	0.2	0.0	0.2	0.6	0.0	0.0	0.0
Hobbies											
none	16.3	17.1	20.9	12.8	18.6	17.2	19.5	20.4	11.3	10.9	15.3
less than one	17.0	14.7	22.8	18.7	15.7	14.1	13.5	19.7	17.3	17.6	15.0
1-2	24.3	23.3	27.0	24.4	24.6	25.6	23.5	23.4	28.9	30.4	16.4
3-5	23.4	21.4	21.1	25.1	24.7	28.4	24.3	18.7	21.5	21.8	18.7
6-10	12.0	16.5	5.2	11.9	8.6	8.9	9.6	7.5	13.4	11.6	29.4
11-15	3.4	3.3	1.3	3.6	3.9	4.4	5.5	2.2	3.5	4.0	0.0
16-20	1.6	1.3	0.5	1.4	2.7	0.7	1.8	6.8	0.4	0.0	4.0
more than 20	1.9	2.5	1.2	2.1	1.2	0.8	2.1	1.3	3.6	3.9	1.2

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1988											
accountant or actuary	6.7	3.8	6.4	9.9	6.3	6.7	8.0	4.7	5.0	5.2	3.8
actor or entertainer	1.8	1.8	0.3	2.6	1.2	1.7	1.9	0.0	0.3	0.3	0.6
architect or urban planner	1.4	1.4	1.4	1.7	1.1	1.6	1.3	0.0	4.0	3.0	13.2
artist	1.6	0.9	0.8	2.9	1.1	1.2	0.4	1.5	0.7	0.6	1.6
business (clerical)	0.4	0.8	1.1	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.0
business executive (management)	14.6	16.2	14.1	13.5	14.4	12.3	21.1	14.0	12.7	12.8	12.1
business owner or proprietor	4.3	4.1	6.4	3.0	5.3	5.0	11.2	2.5	12.9	14.0	2.5
business salesperson or buyer	0.8	1.2	1.0	0.3	0.9	0.3	2.4	0.9	2.7	3.0	0.0
clergy (minister,priest)	0.2	0.1	0.4	0.2	0.4	0.4	0.7	0.2	0.1	0.0	1.0
clergy (other religious)	0.1	0.0	0.0	0.0	0.5	0.7	0.0	0.3	0.1	0.0	1.1
clinical psychologist	2.0	1.4	0.5	1.6	3.7	0.7	2.3	9.5	0.0	0.0	0.5
college teacher	0.5	0.3	0.6	0.7	0.6	0.8	0.1	0.5	0.0	0.0	0.0
computer programmer or analyst	3.3	3.8	2.8	3.2	3.2	4.2	2.3	1.9	3.3	3.4	2.1
conservationist or forester	0.3	0.0	0.0	0.2	0.9	0.0	0.6	2.7	0.4	0.5	0.0
dentist (including orthodontist)	1.0	1.4	1.1	0.6	1.1	0.5	1.2	1.9	0.0	0.0	0.0
dietitian or home economist	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
engineer	13.2	17.3	17.0	10.1	10.9	18.5	3.8	2.2	22.0	22.2	20.7
farmer or rancher	0.3	0.0	0.5	0.6	0.3	0.0	0.3	0.7	1.4	1.6	0.0
foreign service worker	0.8	0.8	1.9	0.3	1.0	1.0	1.2	1.0	0.6	0.7	0.0
homemaker (full-time)	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
interior decorator or designer	0.2	0.0	0.0	0.0	0.7	0.0	3.0	0.4	0.0	0.0	0.0
interpretor (translator)	0.1	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0
lab technician or hygienist	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
law enforcement officer	0.3	0.0	0.4	0.4	0.7	0.5	1.2	0.7	4.3	4.6	2.1
lawyer (attorney) or judge	6.4	5.8	11.4	4.6	7.5	8.2	6.7	6.6	3.9	3.6	6.8
military service (career)	1.5	1.3	1.7	1.8	1.2	2.0	0.5	0.3	0.3	0.4	0.0
musician (performer,composer)	1.6	1.2	1.7	2.7	0.8	1.1	0.7	0.4	1.6	1.8	0.0
nurse	0.1	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.4	0.5	0.0
optometrist	0.6	0.6	0.3	1.0	0.3	0.4	0.5	0.0	0.0	0.0	0.0
pharmacist	1.1	1.5	1.3	0.7	0.8	0.9	1.0	0.6	0.7	0.7	0.0
physician	4.8	6.5	8.7	2.0	4.7	2.9	5.5	7.5	0.5	0.5	1.1
school counselor	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.2	0.0	0.0	0.0
school principal/superintendent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	1.9	2.8	3.3	0.5	1.9	2.5	1.0	1.5	5.2	5.5	1.7
social,welfare,recreation worker	0.1	0.0	0.3	0.0	0.2	0.0	0.0	0.5	0.4	0.4	0.0
statistician	0.2	0.7	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	0.8	0.5	1.2	0.9	0.8	0.7	0.5	1.1	1.0	0.6	4.8
teacher (elementary)	0.5	0.0	0.5	1.1	0.5	0.5	0.2	0.5	0.5	0.5	0.9
teacher (secondary)	2.8	2.4	0.0	3.7	3.4	1.9	2.7	6.5	1.4	1.4	1.3
veterinarian	0.4	0.4	0.6	0.2	0.7	0.9	0.0	1.0	0.3	0.3	0.0
writer or journalist	1.9	1.7	1.1	2.0	2.3	2.2	0.8	3.5	0.8	0.9	0.0
skilled trades	1.2	0.6	0.0	3.0	0.3	0.6	0.0	0.0	0.9	0.8	1.8
other	6.4	7.8	2.5	5.5	7.3	9.1	4.6	5.8	6.8	6.0	14.0
undecided	13.4	10.5	8.5	18.3	12.6	9.6	11.5	18.3	4.0	3.7	6.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1990											
accountant or actuary	6.5	6.6	5.9	6.8	6.2	5.6	10.0	5.1	3.3	3.4	2.0
actor or entertainer	1.3	0.4	0.5	2.3	1.4	1.7	2.1	0.5	5.5	6.0	0.5
architect or urban planner	1.1	2.0	1.0	0.8	0.3	0.4	0.3	0.0	1.8	1.3	7.0
artist	4.2	6.7	1.1	3.5	2.9	3.7	1.2	2.5	1.0	0.8	2.5
business (clerical)	0.1	0.0	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0
business executive (management)	15.4	17.6	14.6	13.2	16.1	14.4	22.4	15.3	15.1	14.3	21.5
business owner or proprietor	4.6	4.8	7.7	4.3	3.7	3.6	4.2	3.6	5.3	5.3	5.3
business salesperson or buyer	0.7	0.5	1.0	0.5	1.2	0.0	4.6	1.4	0.4	0.5	0.0
clergy (minister,priest)	0.3	0.2	0.4	0.0	0.8	0.5	0.5	1.4	0.1	0.0	1.3
clergy (other religious)	0.1	0.0	0.0	0.3	0.1	0.2	0.0	0.0	0.2	0.0	2.0
clinical psychologist	1.3	0.6	0.0	0.5	3.8	2.0	0.2	8.8	8.2	8.9	1.9
college teacher	1.4	1.2	3.2	0.4	2.4	2.0	2.3	3.3	0.6	0.7	0.0
computer programmer or analyst	3.2	3.1	3.1	3.6	2.8	3.1	3.8	1.8	2.6	2.9	0.0
conservationist or forester	0.4	0.5	0.5	0.3	0.5	0.7	0.8	0.0	0.4	0.5	0.0
dentist (including orthodontist)	0.7	1.0	0.0	0.4	1.2	0.3	0.4	2.9	0.0	0.0	0.0
dietitian or home economist	0.1	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.4	0.5	0.0
engineer	10.0	10.8	13.5	10.6	7.1	10.5	5.5	2.1	21.7	22.6	14.6
farmer or rancher	0.4	0.9	0.0	0.1	0.3	0.0	0.6	0.7	0.5	0.6	0.0
foreign service worker	1.1	1.3	2.6	0.3	1.6	1.8	1.1	1.3	0.3	0.3	0.0
homemaker (full-time)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
interior decorator or designer	0.2	0.1	0.0	0.0	0.5	0.0	3.0	0.0	0.4	0.4	0.0
interpretor (translator)	0.1	0.0	0.4	0.2	0.1	0.0	0.3	0.0	0.0	0.0	0.0
lab technician or hygienist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
law enforcement officer	2.3	1.2	2.6	3.5	1.9	2.1	1.7	1.8	1.3	1.1	3.5
lawyer (attorney) or judge	5.9	5.5	9.6	4.4	7.1	7.0	8.2	6.5	4.2	4.6	1.4
military service (career)	1.5	1.0	1.4	2.1	1.5	1.7	0.0	1.8	1.6	1.8	0.0
musician (performer,composer)	2.0	2.6	1.6	2.4	0.8	1.0	0.4	0.7	1.6	1.8	0.0
nurse	0.1	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.0
optometrist	0.3	0.5	0.4	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0
pharmacist	0.6	0.6	1.0	0.4	0.8	1.2	0.2	0.3	0.6	0.7	0.0
physician	3.4	5.5	5.3	1.7	2.5	1.7	4.0	3.1	0.4	0.4	0.0
school counselor	0.1	0.0	0.0	0.0	0.4	0.0	1.1	0.7	0.0	0.0	0.4
school principal/superintendent	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0
scientific researcher	2.3	1.8	3.9	1.8	3.3	3.2	1.2	4.6	3.1	3.3	1.5
social,welfare,recreation worker	1.4	0.0	0.9	3.8	0.2	0.1	0.5	0.0	0.0	0.0	0.0
statistician	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	0.5	0.8	0.9	0.0	0.8	0.2	1.3	1.5	0.1	0.0	0.6
teacher (elementary)	1.1	1.9	0.0	1.0	0.7	0.9	0.0	0.7	1.6	1.6	1.9
teacher (secondary)	5.9	3.7	0.7	10.7	4.0	2.5	4.0	6.4	3.1	3.2	2.8
veterinarian	0.2	0.3	0.0	0.0	0.6	0.5	0.0	1.1	0.2	0.3	0.0
writer or journalist	2.1	3.4	2.3	1.4	1.4	1.5	0.4	1.8	1.5	1.4	2.3
skilled trades	1.6	0.0	0.0	4.1	0.5	0.7	0.0	0.5	0.6	0.4	2.1
other	6.9	5.9	7.3	6.4	8.7	10.3	6.9	7.0	6.6	5.5	16.3
undecided	8.2	6.8	6.6	7.6	11.4	13.9	6.4	10.2	4.7	4.3	8.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988											
ARTS AND HUMANITIES											
art, fine and applied	3.6	6.7	0.9	2.6	1.8	2.1	1.4	1.5	0.5	0.3	3.0
English (language & literature)	1.4	1.1	1.8	1.4	1.4	1.2	0.2	2.5	0.5	0.6	0.0
history	1.2	0.8	2.3	0.8	1.7	1.4	1.5	2.3	0.6	0.6	0.0
journalism	0.9	1.3	0.6	0.7	0.9	0.8	0.3	1.3	0.6	0.5	1.5
language/literature (except Eng)	0.3	0.2	0.3	0.0	0.6	0.4	1.1	0.8	0.0	0.0	0.0
music	1.1	0.0	1.9	2.0	0.9	1.3	0.9	0.2	0.7	0.8	0.0
philosophy	0.3	0.0	1.6	0.1	0.5	0.5	0.8	0.4	0.6	0.7	0.0
speech	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
theater or drama	0.6	0.8	0.0	0.4	0.9	1.3	1.2	0.2	0.3	0.3	0.6
theology or religion	0.2	0.0	0.0	0.0	0.8	0.4	0.0	1.9	0.3	0.0	3.8
other arts and humanities	0.5	0.5	0.4	0.0	1.2	1.7	0.2	1.0	0.3	0.4	0.0
BIOLOGICAL SCIENCES											
biology (general)	2.7	2.9	2.8	2.5	2.6	1.4	3.3	4.1	0.5	0.5	0.0
biochemistry or biophysics	0.4	0.7	0.5	0.2	0.3	0.2	0.0	0.7	0.2	0.3	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.3	0.4	0.0	0.5	0.2	0.0	0.7	0.3	0.0	0.0	0.0
microbiology or bacteriology	0.1	0.2	0.3	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
zoology	0.3	0.3	0.6	0.2	0.3	0.5	0.0	0.1	0.0	0.0	0.0
other biological science	0.3	0.4	0.0	0.2	0.3	0.4	0.9	0.0	0.2	0.0	1.7
BUSINESS											
accounting	6.2	5.4	7.9	6.4	6.2	6.5	10.1	3.6	4.5	4.6	3.2
business admin (general)	8.0	10.8	5.4	4.5	10.0	6.5	14.5	13.3	14.9	15.9	5.2
finance	2.7	3.2	3.2	2.8	1.8	2.1	2.6	1.0	0.2	0.0	1.8
marketing	3.0	2.9	3.5	3.9	1.9	0.6	5.7	2.0	1.2	1.1	2.4
management	5.9	3.6	6.6	8.1	5.8	7.0	7.9	2.9	9.2	9.5	6.3
secretarial studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other business	1.4	1.7	1.8	1.2	1.0	0.4	3.7	0.5	0.9	0.5	5.3
EDUCATION											
business education	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.9	0.0	0.0	0.0
elementary education	0.5	0.3	0.0	1.0	0.3	0.5	0.3	0.0	0.8	0.5	3.8
music or art education	0.3	0.2	0.0	0.5	0.4	0.5	0.4	0.3	0.0	0.0	0.0
physical education or recreation	1.1	0.2	0.0	2.1	1.4	0.8	0.0	3.3	0.1	0.0	1.3
secondary education	1.5	0.8	0.5	2.4	1.5	1.1	2.8	1.6	1.0	1.0	0.0
special education	0.1	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0
other education	2.5	0.0	0.0	7.2	0.7	0.5	0.0	1.3	0.3	0.3	0.0
ENGINEERING											
aeronautical/astronautical eng	2.9	3.5	2.6	1.6	3.9	7.6	0.0	0.2	6.8	7.4	0.0
civil engineering	1.5	2.8	2.1	0.8	0.7	0.8	1.5	0.0	2.3	2.2	3.7
chemical engineering	0.6	1.3	0.6	0.3	0.3	0.3	0.4	0.2	0.0	0.0	0.0
electrical engineering	4.7	6.2	8.5	3.3	3.0	4.7	2.1	0.5	9.4	9.5	8.8
industrial engineering	0.5	0.0	0.0	0.9	0.9	1.7	0.0	0.0	0.4	0.4	0.0
mechanical engineering	2.7	2.8	3.5	3.2	1.6	2.5	0.5	0.9	3.4	3.2	4.9
other engineering	1.6	2.3	1.8	1.6	0.8	1.1	1.2	0.0	4.4	4.4	3.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.1	0.3	0.0	0.1	0.0	0.5	0.0	0.5	0.6	0.0
atmospheric science	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0
chemistry	1.4	1.4	2.5	1.2	1.3	0.7	0.8	2.5	0.0	0.0	0.0
earth science	0.3	0.7	0.2	0.2	0.0	0.0	0.3	0.0	1.8	1.9	0.0
marine science	0.3	0.2	0.0	0.4	0.5	0.9	0.0	0.3	0.0	0.0	0.0
mathematics	1.7	0.8	2.1	2.8	1.3	1.2	0.7	1.7	0.3	0.3	0.0
physics	0.9	1.0	1.3	0.3	1.3	2.0	0.6	0.6	0.7	0.8	0.0
statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical science	0.2	0.0	0.0	0.0	0.7	1.2	0.5	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture or urban planning	0.9	0.8	1.4	1.1	0.5	0.8	0.6	0.0	3.6	3.0	10.3
home economics	1.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
health technology (med,dent,lab)	0.8	0.8	0.8	1.2	0.4	0.2	0.3	0.8	0.0	0.0	0.0
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	0.1	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.4	0.4	0.0
pharmacy	0.9	1.1	1.3	0.4	1.0	1.2	1.1	0.6	0.4	0.4	0.0
predent,premed,prevet	3.1	4.8	3.6	0.7	3.6	2.0	2.7	6.8	0.7	0.7	0.0
therapy (occup,phys,speech)	0.3	0.1	1.1	0.0	0.8	0.6	1.6	0.6	0.7	0.3	4.8
other professional	1.2	1.1	2.6	1.1	0.9	1.2	0.8	0.4	0.5	0.6	0.0
SOCIAL SCIENCES											
anthropology	0.2	0.3	0.0	0.0	0.3	0.5	0.3	0.0	0.0	0.0	0.0
economics	0.8	0.3	2.9	0.4	1.3	1.9	0.9	0.6	1.3	1.5	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
political science	3.3	2.7	6.9	2.3	4.2	4.0	5.1	4.0	0.6	0.7	0.0
psychology	2.7	1.6	0.4	1.9	5.9	4.0	4.6	9.7	1.3	0.9	5.3
social work	0.1	0.0	0.3	0.0	0.1	0.2	0.0	0.0	0.4	0.4	0.0
sociology	0.2	0.0	0.0	0.4	0.1	0.3	0.0	0.0	0.0	0.0	0.0
women's studies	0.1	0.0	0.0	0.0	0.6	0.0	0.0	1.7	0.0	0.0	0.0
other social science	0.3	0.4	0.0	0.4	0.1	0.1	0.3	0.0	0.0	0.0	0.0
TECHNICAL											
building trades	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	1.4
data processing or computer prog	0.9	0.3	1.1	1.5	0.8	0.7	0.9	1.1	0.4	0.4	0.0
drafting or design	0.6	0.0	0.0	1.4	0.6	1.2	0.2	0.0	1.3	1.4	0.0
electronics	0.3	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.9	0.0
mechanics	0.5	0.0	0.0	1.2	0.3	0.4	0.0	0.2	0.5	0.5	0.0
other technical	1.2	0.0	0.0	3.7	0.2	0.3	0.0	0.0	1.5	1.6	0.7
OTHER											
agriculture	0.9	1.2	0.0	1.4	0.2	0.0	0.0	0.7	2.5	2.6	1.4
communications (radio,TV,etc.)	2.5	1.0	3.4	3.7	2.7	3.0	2.5	2.2	2.3	2.5	0.9
computer science	2.1	3.6	0.6	1.6	1.3	1.7	0.7	0.8	2.9	2.5	6.0
forestry	0.2	0.0	0.5	0.0	0.6	0.7	0.0	0.7	0.0	0.0	0.0
law enforcement	0.6	0.1	0.4	0.6	1.3	1.4	0.8	1.5	3.7	3.9	2.1
military science	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other field	1.2	0.6	0.0	1.0	2.5	2.6	4.6	1.3	1.0	0.9	2.4
undecided	5.7	6.6	3.8	4.4	6.8	5.8	2.7	10.7	3.7	3.8	3.3

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990											
ARTS AND HUMANITIES											
art, fine and applied	6.4	7.0	0.7	9.0	4.1	5.1	4.8	2.2	1.4	1.2	2.5
English (language & literature)	1.8	1.5	4.0	0.7	2.9	2.0	3.6	3.9	1.0	1.2	0.0
history	1.8	0.9	5.6	1.1	2.7	2.1	5.0	2.5	1.3	1.4	0.0
journalism	1.2	2.4	1.0	0.9	0.4	0.6	0.2	0.0	0.7	0.8	0.0
language/literature (except Eng)	0.8	1.1	2.1	0.4	0.4	0.2	1.2	0.3	0.5	0.6	0.0
music	0.8	0.3	1.7	1.1	0.9	0.6	0.4	1.7	0.0	0.0	0.0
philosophy	0.9	1.1	1.3	0.4	1.1	0.5	0.6	2.5	0.6	0.7	0.0
speech	0.2	0.3	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0
theater or drama	0.5	0.6	0.4	0.3	0.7	0.1	1.9	0.9	0.1	0.0	0.5
theology or religion	0.3	0.0	0.3	0.0	1.1	0.9	0.7	1.6	0.2	0.0	1.7
other arts and humanities	0.8	1.2	1.9	0.0	0.9	1.2	0.6	0.6	1.1	1.0	2.6
BIOLOGICAL SCIENCES											
biology (general)	2.9	3.0	3.1	2.2	3.8	2.2	3.4	6.6	0.8	0.5	3.9
biochemistry or biophysics	0.5	0.9	0.4	0.3	0.2	0.1	0.2	0.5	0.0	0.0	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.2	0.5	0.0	0.2	0.1	0.0	0.3	0.0	0.0	0.0	0.0
microbiology or bacteriology	0.4	0.9	0.0	0.2	0.2	0.0	0.0	0.5	0.0	0.0	0.0
zoology	0.2	0.3	0.0	0.1	0.3	0.2	0.0	0.6	0.0	0.0	0.0
other biological science	0.6	0.9	0.8	0.5	0.2	0.1	0.6	0.1	1.7	1.9	0.0
BUSINESS											
accounting	6.4	5.0	6.5	6.5	7.8	6.9	12.6	6.7	3.0	3.2	2.0
business admin (general)	5.2	4.7	9.6	3.6	6.6	3.9	6.8	10.8	8.5	6.4	25.4
finance	3.8	4.0	3.6	4.0	3.3	3.8	4.7	1.8	2.4	2.3	2.9
marketing	3.1	1.4	3.5	4.2	3.6	2.6	10.3	1.7	0.0	0.0	0.0
management	5.5	7.2	1.3	5.4	5.0	5.1	5.8	4.4	5.9	6.5	0.4
secretarial studies	0.5	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other business	1.1	1.6	0.9	0.7	0.9	0.4	2.3	1.0	1.7	1.7	1.6
EDUCATION											
business education	0.2	0.2	0.0	0.2	0.3	0.0	0.0	1.0	0.5	0.5	0.0
elementary education	0.8	1.4	0.0	1.0	0.3	0.3	0.3	0.4	2.2	2.1	2.7
music or art education	0.2	0.0	0.0	0.4	0.3	0.1	0.0	0.7	0.5	0.5	0.7
physical education or recreation	0.6	0.0	0.0	1.0	1.1	0.9	1.8	1.1	0.1	0.0	1.1
secondary education	1.9	2.3	0.3	2.0	1.8	1.6	1.2	2.5	0.8	0.9	0.0
special education	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0
other education	0.4	0.2	0.0	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0
ENGINEERING											
aeronautical/astronautical eng	0.9	0.2	1.3	0.1	2.5	4.9	0.0	0.0	1.6	1.6	1.3
civil engineering	2.5	2.2	2.3	4.2	0.5	0.4	1.4	0.0	1.9	1.9	1.7
chemical engineering	0.8	1.9	1.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
electrical engineering	2.8	3.4	6.6	1.5	2.2	3.2	2.3	0.6	10.8	11.5	5.6
industrial engineering	0.2	0.0	0.4	0.0	0.5	1.0	0.0	0.0	0.4	0.4	0.7
mechanical engineering	2.6	2.9	4.1	2.5	1.8	3.1	0.0	0.7	4.0	3.9	4.8
other engineering	1.8	1.6	0.8	2.7	0.9	1.3	1.0	0.1	2.3	2.4	1.5

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.0
atmospheric science	0.3	0.6	0.0	0.0	0.4	0.6	0.0	0.3	1.5	1.7	0.0
chemistry	1.0	0.7	1.4	1.2	1.2	1.3	1.1	1.0	0.5	0.5	0.0
earth science	0.4	0.0	0.0	0.2	1.3	0.8	0.0	2.7	0.9	1.0	0.0
marine science	0.2	0.0	0.0	0.2	0.6	0.9	0.6	0.0	0.0	0.0	0.0
mathematics	1.4	1.5	0.5	1.2	2.0	1.7	0.6	3.3	0.3	0.3	0.9
physics	1.0	0.8	1.6	0.5	1.7	2.2	1.4	1.2	0.0	0.0	0.0
statistics	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical science	0.2	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.0
PROFESSIONAL											
architecture or urban planning	0.8	1.4	0.9	0.5	0.2	0.4	0.0	0.0	1.3	0.9	4.6
home economics	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
health technology (med,dent,lab)	0.5	0.6	0.0	0.6	0.5	0.7	0.0	0.6	0.5	0.5	0.9
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	0.2	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.8	0.9	0.0
pharmacy	0.8	1.0	1.4	0.4	0.8	1.2	0.0	0.6	0.4	0.4	0.0
predent,premed,prevet	1.2	1.6	1.0	0.9	1.1	0.6	0.9	2.1	0.3	0.3	0.5
therapy (occup,phys,speech)	0.4	0.6	0.9	0.0	0.5	0.2	1.3	0.5	0.1	0.0	0.6
other professional	0.6	0.2	0.8	0.8	0.7	0.9	0.4	0.6	1.3	1.4	0.9
SOCIAL SCIENCES											
anthropology	0.1	0.1	0.0	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0
economics	2.8	3.1	4.7	2.8	1.5	1.6	1.1	1.7	0.8	0.9	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
geography	0.2	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	5.3	5.9	9.2	3.0	6.1	7.5	5.1	4.3	2.5	2.8	0.0
psychology	4.2	3.2	2.7	3.4	7.0	5.6	3.6	11.2	9.8	10.8	1.0
social work	0.5	0.0	0.3	1.4	0.1	0.0	0.6	0.0	0.0	0.0	0.0
sociology	0.4	0.2	0.7	0.6	0.4	0.1	1.3	0.5	0.9	0.4	5.0
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social science	1.1	0.4	0.4	2.4	0.4	0.8	0.0	0.0	0.0	0.0	0.4
TECHNICAL											
building trades	0.2	0.0	0.0	0.5	0.1	0.0	0.8	0.0	0.3	0.0	3.1
data processing or computer prog	1.5	2.0	0.7	1.8	0.8	0.8	1.0	0.7	1.8	2.0	0.4
drafting or design	0.4	0.3	0.0	0.9	0.0	0.0	0.0	0.0	0.9	1.0	0.0
electronics	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0	1.1	1.2	0.0
mechanics	0.5	0.0	0.0	1.2	0.5	0.7	0.0	0.5	1.1	1.3	0.0
other technical	0.6	0.2	0.0	1.5	0.3	0.6	0.0	0.0	0.2	0.3	0.0
OTHER											
agriculture	1.1	1.6	0.0	1.5	0.3	0.0	0.0	1.0	1.6	1.7	1.2
communications (radio,TV,etc.)	2.7	0.9	2.1	4.8	2.5	3.6	1.2	1.3	2.7	2.7	2.4
computer science	1.9	1.3	2.7	2.3	1.8	2.5	1.3	1.0	1.6	1.8	0.6
forestry	0.1	0.0	0.0	0.0	0.4	0.7	0.0	0.0	0.0	0.0	0.0
law enforcement	1.2	1.2	1.0	0.6	2.0	1.4	1.7	3.3	3.5	3.7	1.0
military science	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
other field	1.3	0.9	0.4	0.7	3.0	5.3	0.6	0.6	4.8	4.7	5.3
undecided	3.1	5.5	0.0	2.9	1.2	0.3	1.1	2.7	1.3	0.5	7.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1988	98.3	99.2	99.4	96.9	98.8	98.2	99.5	99.3	91.1	89.9	99.3
1987	0.8	0.5	0.0	1.4	0.7	1.0	0.2	0.7	1.7	1.9	0.0
1986	0.2	0.3	0.6	0.2	0.1	0.2	0.0	0.0	1.0	1.1	0.0
1985 or earlier	0.7	0.0	0.0	1.6	0.3	0.6	0.0	0.0	2.1	2.3	0.7
H.S. equivalency (GED test)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.8	0.0
never completed high school	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.0	0.0	0.0	0.0
Age on December 31, 1990											
18 or younger	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	3.1	4.2	3.3	2.4	2.8	4.1	2.8	1.1	4.3	4.8	0.9
20	80.5	82.6	78.3	80.9	78.4	81.2	81.9	72.3	74.2	73.2	81.1
21	15.1	12.5	17.3	14.4	18.1	13.4	15.3	26.6	15.8	15.5	17.2
22	0.6	0.6	0.6	0.7	0.4	0.8	0.0	0.0	0.4	0.4	0.0
23-26	0.3	0.0	0.0	0.6	0.2	0.3	0.0	0.0	2.7	3.1	0.0
27-31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0
32-41	0.4	0.0	0.0	0.9	0.1	0.3	0.0	0.0	1.5	1.6	0.7
42-56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0
57 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	80.0	84.6	85.4	74.0	81.8	72.8	84.3	93.6	87.1	88.0	81.6
Black/Negro/Afro-American	14.4	8.6	6.9	21.1	13.7	22.6	4.9	5.7	7.2	6.2	14.1
American Indian	0.5	0.0	0.5	0.7	0.6	0.9	0.4	0.4	0.4	0.5	0.0
Asian-American/Oriental	2.9	5.6	3.0	1.6	1.9	2.0	3.0	1.1	2.0	2.3	0.0
Mexican-American/Chicano	2.2	2.3	2.7	2.3	1.7	0.8	6.6	0.0	0.6	0.0	4.3
Puerto Rican-American	0.3	0.2	0.2	0.1	0.6	1.1	0.4	0.0	2.4	2.8	0.0
other	1.3	1.0	1.8	1.3	1.4	1.8	2.1	0.3	2.1	2.4	0.0
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	97.7	98.4	99.8	96.2	98.6	99.0	98.2	98.1	93.9	93.7	95.0
mathematics (3 years)	92.6	94.8	98.3	88.5	94.4	94.5	95.1	93.7	88.1	89.2	81.1
foreign language (2 years)	83.3	91.4	99.2	68.3	90.8	92.0	91.6	88.6	79.4	80.7	70.8
physical science (2 years)	47.7	52.5	56.0	42.7	47.3	46.7	47.2	48.3	34.7	34.4	36.4
biological science (2 years)	39.6	46.8	44.8	35.3	36.3	29.6	41.5	43.0	30.3	30.5	28.9
history/American govt (1 year)	99.4	99.4	100.0	99.3	99.3	99.8	96.9	100.0	98.8	98.6	100.0
computer science (1/2 year)	56.0	50.7	65.6	56.9	57.8	57.7	57.8	57.9	48.9	48.9	48.6
art or music (1,year)	72.8	73.9	72.0	68.0	78.3	82.5	66.5	79.3	71.7	72.2	68.4
Took Credit Courses at Freshman College Before Enrollment											
no	96.6	97.7	97.2	94.1	98.7	98.5	97.7	99.6	96.1	96.9	90.3
yes	3.4	2.3	2.8	5.9	1.3	1.5	2.3	0.4	3.9	3.1	9.7
Status of Parents											
together	70.8	72.0	78.1	66.3	73.7	69.8	77.6	77.2	70.6	70.1	73.4
divorced or separated	25.4	24.2	20.0	30.3	21.3	25.3	17.1	17.8	21.8	22.0	20.2
one or both deceased	3.8	3.8	1.9	3.4	5.0	4.9	5.3	5.0	7.7	7.9	6.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	13.6	18.4	27.9	7.5	12.8	12.3	9.8	15.3	5.7	6.0	3.6
A-	16.9	21.1	28.3	11.8	16.1	13.9	17.6	18.4	9.9	10.6	5.7
B+	21.9	20.2	23.6	24.7	19.4	19.1	20.3	19.5	17.2	16.3	23.8
B	22.9	23.1	15.9	22.2	25.5	23.8	31.4	24.6	28.3	29.7	18.3
B-	10.1	7.2	3.2	11.4	13.5	12.9	10.6	16.3	14.4	15.2	8.6
C+	8.8	7.9	1.0	13.2	5.7	8.8	4.2	2.1	16.8	15.3	27.0
C	5.5	2.1	0.1	8.2	6.9	9.4	6.1	3.7	7.7	6.9	12.9
D	0.4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Undergraduate Grade											
A	6.7	5.9	10.2	6.1	7.3	7.8	3.8	8.9	4.0	2.7	13.3
B+,A-	23.7	23.5	28.0	21.0	26.6	27.0	29.9	24.1	23.4	24.0	18.7
B	34.2	36.0	35.3	34.3	31.9	25.9	35.9	38.5	32.3	33.2	25.9
C+,B-	20.6	20.3	11.8	21.0	22.7	24.6	24.6	18.8	23.6	22.9	28.5
C	10.7	8.2	8.4	13.7	10.1	12.7	5.8	8.9	10.9	11.1	9.5
C- or less	4.0	6.2	6.3	3.9	1.3	2.1	0.0	0.8	5.9	6.1	4.1
Degree Aspirations in 1988											
none	1.1	0.0	1.4	1.1	2.0	3.6	1.2	0.0	4.2	5.0	0.0
vocational certificate	0.3	0.4	0.0	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.8
associate (AA or equivalent)	1.2	0.1	0.0	2.7	0.6	0.6	0.4	0.7	11.4	10.7	15.4
bachelor's (BA, BS, etc)	26.6	29.2	6.8	29.5	25.6	23.6	29.2	26.8	39.4	40.5	33.5
master's (MA, MS)	44.4	37.2	52.5	49.5	43.2	41.4	42.1	46.6	30.8	31.8	25.5
PhD or EdD	12.3	13.7	12.3	8.6	15.7	17.3	13.0	14.6	6.0	5.5	8.9
MD, DO, DDS, DVM	8.0	14.6	11.7	2.9	6.7	8.9	6.1	3.5	3.7	3.8	3.5
LLB or JD (law)	5.1	3.8	15.0	3.7	5.3	3.9	7.7	6.2	2.3	2.3	2.4
BD or MDiv (divinity)	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.5	0.0	0.0	0.0
other	1.0	0.7	0.4	1.5	0.7	0.7	0.3	1.2	1.9	0.5	10.0
Highest Degree Earned by 1990											
none	91.6	91.7	94.5	90.3	92.4	92.3	91.5	93.1	68.8	73.2	39.8
vocational certificate	0.1	0.0	0.0	0.2	0.3	0.0	1.3	0.0	1.0	1.2	0.0
associate (AA or equivalent)	5.9	6.4	4.2	6.0	5.6	6.5	5.7	4.2	30.2	25.7	60.2
bachelor's (BA, BS, etc)	0.4	0.5	0.3	0.5	0.1	0.2	0.0	0.0	0.0	0.0	0.0
master's (MA, MS)	0.1	0.2	0.0	0.2	0.1	0.0	0.3	0.0	0.0	0.0	0.0
PhD or EdD	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MD, DO, DDS, DVM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LLB or JD (law)	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BD or MDiv (divinity)	0.2	0.0	0.0	0.3	0.2	0.0	0.7	0.2	0.0	0.0	0.0
other	1.6	1.2	0.7	2.3	1.4	0.9	0.6	2.5	0.0	0.0	0.0
Degree Aspirations in 1990											
none	1.9	2.1	0.7	1.5	2.5	3.3	1.4	2.0	2.9	3.1	1.2
vocational certificate	0.1	0.0	0.0	0.0	0.2	0.3	0.0	0.2	0.6	0.6	0.6
associate (AA or equivalent)	3.0	1.8	0.0	6.2	1.0	0.9	0.6	1.5	12.3	11.6	17.2
bachelor's (BA, BS, etc)	34.7	32.8	26.8	40.4	31.7	31.4	31.2	32.5	34.0	33.5	37.2
master's (MA, MS)	39.1	40.8	40.7	35.6	41.3	38.3	44.0	43.9	36.6	37.7	28.7
PhD or EdD	11.3	10.6	13.0	10.4	12.8	13.8	10.8	12.6	4.7	4.8	3.3
MD, DO, DDS, DVM	4.0	6.7	2.7	1.5	4.7	6.3	4.3	2.5	4.8	4.8	4.6
LLB or JD (law)	4.6	4.2	15.4	2.2	5.1	5.2	6.4	4.2	1.8	1.0	7.2
BD or MDiv (divinity)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
other	1.3	1.1	0.7	2.2	0.6	0.6	1.3	0.2	2.4	2.8	0.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
This College was Student's											
first choice	67.2	72.7	67.5	64.0	65.6	60.9	65.2	72.9	72.9	74.6	60.5
second choice	25.4	21.1	26.2	27.4	27.1	28.0	30.9	23.5	17.3	14.8	34.9
third choice	5.4	3.9	4.9	7.2	4.7	7.4	1.0	2.9	4.8	5.1	2.7
less than third choice	2.0	2.2	1.4	1.5	2.6	3.7	2.9	0.8	5.0	5.4	1.8
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	64.9	65.9	54.6	66.3	64.8	66.4	66.2	61.6	61.2	59.3	75.9
humanities courses	76.5	79.6	83.8	71.2	78.5	83.2	78.1	72.0	69.5	70.8	60.4
social science courses	70.7	73.7	80.5	60.3	78.6	83.2	77.7	72.4	66.8	66.3	70.7
courses in major field	80.1	80.2	86.5	76.8	82.6	82.2	87.2	80.6	83.2	83.9	78.6
general education requirements	61.8	57.3	77.3	59.9	65.3	62.1	66.0	69.5	64.9	65.0	64.4
relevance of coursework to life	55.2	52.3	65.9	50.1	62.7	60.4	63.2	65.9	55.1	54.3	60.7
overall quality of instruction	71.8	69.3	84.5	64.9	80.6	77.7	81.7	84.2	73.0	71.9	80.6
lab facilities and equipment	69.5	69.5	70.2	68.0	71.5	70.8	75.5	70.0	65.6	66.3	60.4
library facilities	70.6	89.8	74.7	64.2	57.4	65.8	61.7	42.2	71.6	73.5	58.6
computer facilities	71.9	81.8	74.8	67.6	67.3	64.9	71.4	68.1	72.7	73.4	67.3
oppty for interdisciplin courses	56.4	54.8	66.7	47.7	64.1	69.2	55.9	62.0	31.2	30.3	37.3
oppty to talk to professors	76.1	68.2	76.6	74.6	86.3	84.2	89.3	87.5	72.4	69.6	92.2
oppty for extracurr activities	73.9	70.1	80.0	73.0	77.2	75.2	75.0	81.5	61.6	58.9	78.8
campus social life	65.2	70.4	67.0	62.5	62.7	61.8	54.6	68.7	62.6	62.6	62.7
regulations on campus life	47.2	49.3	51.9	45.5	46.1	50.1	43.7	41.9	46.4	46.5	45.7
academic tutoring or assistance	67.7	62.3	51.2	71.7	71.9	70.0	80.1	69.4	63.7	61.4	78.5
academic advising	49.8	42.1	40.6	49.3	61.2	56.2	72.7	61.3	49.3	47.5	61.7
career counseling and advising	49.3	44.4	53.6	46.2	58.1	56.2	69.7	53.7	49.6	49.4	50.6
personal counseling	47.5	43.7	46.2	43.3	55.9	52.8	60.9	58.1	57.2	57.9	53.5
student housing	54.7	59.1	56.5	45.5	60.7	57.6	58.1	66.4	55.3	52.8	65.5
financial aid services	41.1	36.2	41.7	40.9	45.7	41.1	47.7	51.0	45.0	41.8	63.5
contact with faculty and admin	56.5	41.6	54.2	55.1	74.4	69.2	79.4	78.8	56.6	52.8	82.6
relations with faculty & admin	57.9	44.2	53.9	57.5	73.6	68.2	78.1	78.7	61.6	58.4	82.9
oppty to attend films,concerts	75.9	78.3	83.7	74.7	72.9	72.2	68.2	76.8	57.2	54.7	72.1
job placement services	53.9	51.3	58.3	51.6	57.8	61.8	56.6	51.7	41.8	42.8	36.2
campus health services	54.4	59.7	39.8	58.4	48.4	46.4	47.4	51.6	48.2	51.5	30.7
overall college experience	77.0	75.2	77.4	76.5	79.6	79.2	80.0	80.0	75.0	74.4	79.0
Enroll at Freshman College Again											
definitely yes	34.3	36.9	40.0	30.8	34.6	31.8	34.4	38.9	33.6	32.4	41.9
probably yes	31.7	30.9	26.5	32.9	32.2	32.8	35.4	29.5	32.2	34.1	18.5
don't know	4.6	4.7	3.8	4.1	5.3	7.7	3.5	3.0	3.9	3.8	4.7
probably not	16.5	17.4	22.4	15.8	15.0	14.6	11.8	17.6	18.5	18.0	22.3
definitely not	13.0	10.0	7.4	16.5	12.7	13.1	14.8	10.9	11.8	11.7	12.6
Miles from College to Home											
5 or less	3.3	2.2	1.9	3.9	4.0	3.3	8.7	2.2	13.5	14.7	5.0
6-10	6.3	7.8	4.1	6.8	4.7	6.0	6.1	2.1	16.8	17.8	10.0
11-50	24.7	24.1	11.4	32.4	18.4	15.7	24.4	18.8	32.1	31.6	35.5
51-100	20.1	22.7	7.9	21.5	18.8	14.9	18.2	24.9	16.9	16.7	18.3
101-500	34.1	34.9	39.3	32.0	34.7	36.4	29.4	35.4	16.3	16.0	18.5
more than 500	11.4	8.3	35.4	3.4	19.4	23.7	13.2	16.7	4.4	3.2	12.6

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Took Time Off, Withdrew or Transferred											
no	68.3	72.7	58.8	63.7	72.5	70.2	74.8	74.5	70.0	71.3	60.8
transferred	20.5	16.1	30.5	24.3	17.4	16.5	21.0	16.4	14.6	12.4	30.3
withdrew	5.7	3.6	7.1	6.4	6.6	9.1	2.0	5.7	8.8	9.4	4.6
leave of absence	5.5	7.6	3.5	5.6	3.5	4.2	2.1	3.5	6.6	6.9	4.3
Reasons Noted as Very Important for Taking Time Off (4)											
reconsider goals & interests	46.8	51.4	*57.8*	42.0	45.8	44.3	30.0	*57.0*	39.7	*40.2*	*37.0*
changed career plans	22.3	20.5	*19.8*	22.7	24.3	30.1	13.7	*20.8*	36.1	*38.8*	*22.3*
wanted practical experience	12.2	9.9	*5.0*	9.9	22.0	21.9	23.5	*21.3*	13.5	*11.8*	*22.6*
didn't "fit in"	19.4	21.1	*14.6*	16.5	24.6	30.3	30.6	11.8	16.5	*15.2*	*23.2*
was bored with course work	10.6	6.0	*19.6*	12.1	9.4	7.3	12.6	*11.1*	17.0	*16.2*	*20.9*
wanted better acad reputation	17.8	12.1	*11.3*	20.1	22.7	21.1	32.8	*19.5*	17.8	*14.5*	*34.0*
wanted better social life	11.3	6.2	*4.7*	11.4	19.3	20.2	27.2	*13.4*	19.7	*20.7*	*14.3*
wanted to be closer to home	21.8	18.3	*14.7*	26.5	20.2	12.9	14.4	35.2	27.3	*29.4*	*16.3*
had good job offer	5.7	4.2	*1.0*	7.5	6.2	1.9	*5.3*	*13.5*	8.6	*8.2*	*10.5*
wasn't doing well academically	25.2	32.9	*31.1*	22.7	18.8	25.7	4.1	*15.4*	36.9	*36.3*	*40.1*
family responsibilities	14.5	7.1	*14.8*	16.5	19.1	24.0	6.6	*18.0*	22.6	*25.3*	*8.2*
tired of being student	4.6	1.7	*1.1*	6.7	5.7	3.4	*1.0*	*12.0*	5.6	*4.3*	*12.1*
couldn't afford college	24.7	17.1	*33.7*	29.3	21.1	24.6	16.2	*17.9*	28.2	*28.7*	*26.2*
wanted wider course selection	28.7	8.5	*38.3*	33.2	38.5	39.6	41.7	*34.9*	27.9	*24.2*	*45.3*
ENROLLMENT STATUS											
First Year											
attended first college full-time	97.2	97.2	99.8	96.3	97.8	97.1	98.3	98.6	99.3	99.4	98.9
attended first college part-time	1.4	1.1	0.2	2.4	0.6	0.6	0.5	0.7	0.7	0.6	1.1
attended diff college full-time	0.8	1.0	0.0	1.2	0.3	0.0	1.2	0.3	0.0	0.0	0.0
attended diff college part-time	0.3	0.0	0.0	0.1	1.0	2.1	0.0	0.0	0.0	0.0	0.0
not enrolled	0.3	0.7	0.0	0.0	0.2	0.2	0.0	0.4	0.0	0.0	0.0
Second Year											
attended first college full-time	77.5	77.2	77.6	76.9	78.6	73.4	85.8	81.8	79.5	79.1	81.6
attended first college part-time	2.6	2.9	4.3	2.3	2.3	1.9	1.2	3.6	6.0	6.8	0.4
attended diff college full-time	12.6	10.8	13.7	14.9	11.2	13.3	9.6	9.0	11.3	11.3	11.7
attended diff college part-time	2.5	2.7	3.5	1.4	3.3	3.0	2.2	4.5	0.6	0.5	0.9
not enrolled	4.8	6.4	0.9	4.4	4.6	8.4	1.2	1.2	2.7	2.3	5.4
Plans for Fall 1990											
attend college full-time	87.1	89.6	89.8	84.8	86.7	84.2	93.3	86.4	70.9	70.8	71.4
attend college part-time	5.9	5.4	1.5	7.2	5.7	7.1	2.4	5.6	5.1	5.2	4.6
attend graduate school	0.5	0.6	0.0	0.4	0.9	1.5	0.0	0.5	2.4	2.4	2.2
attend vocational program	0.8	0.4	0.0	0.6	1.9	1.8	0.6	2.7	0.2	0.0	1.8
work full-time	9.9	8.2	10.3	12.5	8.2	10.6	4.0	7.0	25.4	25.3	26.0
work part-time	52.7	56.4	48.6	51.0	52.2	47.6	61.9	53.1	41.4	43.3	28.0
serve in Armed Forces	0.7	1.2	0.0	0.8	0.3	0.2	0.4	0.4	0.3	0.3	0.0
travel	6.0	4.1	10.2	5.3	7.8	9.8	6.2	6.0	4.9	5.2	3.3
do volunteer work	15.0	15.2	22.0	11.4	18.0	18.9	19.7	15.6	4.8	4.5	6.5
stay at home	6.2	5.3	1.4	7.7	6.5	9.6	4.6	3.0	7.8	7.8	7.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1988											
academic ability	61.3	73.5	81.6	47.4	61.8	59.8	62.6	64.3	38.1	37.8	40.1
artistic ability	24.0	24.6	31.3	20.2	26.7	28.9	22.7	25.9	20.3	20.3	19.8
competitiveness	43.9	50.8	55.9	36.4	43.4	43.6	40.1	45.1	35.3	34.9	37.8
drive to achieve	66.0	71.1	86.4	58.5	65.1	66.4	66.6	62.2	55.7	54.5	64.5
emotional health	52.8	52.6	71.1	50.0	52.0	51.7	51.9	52.4	50.0	49.4	53.7
foreign language ability	35.5	41.2	54.2	25.9	37.3	38.4	39.9	34.0	28.8	29.8	22.3
leadership ability	49.6	56.9	70.8	38.3	51.7	49.2	50.5	56.2	39.4	39.7	36.9
mathematical ability	35.8	44.0	48.8	28.0	34.3	31.7	34.3	38.2	24.3	25.1	18.9
physical health	47.6	53.2	59.0	40.4	48.3	50.3	45.7	47.1	48.8	49.8	41.8
popularity	37.6	41.1	56.6	27.8	42.1	41.8	40.3	43.8	32.2	32.3	31.4
popularity with opposite sex	35.7	39.1	52.2	28.1	38.0	38.7	40.8	35.4	35.6	35.8	34.3
public speaking ability	31.1	35.1	42.5	26.2	30.2	29.5	26.1	33.8	18.0	16.9	25.6
self-confidence (intellectual)	45.0	54.0	66.3	33.2	45.9	45.9	46.2	45.6	34.1	34.7	30.2
self-confidence (social)	38.2	42.3	53.9	30.0	41.0	41.7	44.2	38.0	40.4	40.7	38.2
writing ability	45.4	53.1	59.4	35.3	47.3	45.2	45.4	51.4	36.1	37.0	29.7
in 1990											
academic ability	61.6	67.5	75.1	51.6	65.4	66.8	65.5	63.3	55.4	56.6	46.4
artistic ability	27.1	24.9	31.4	25.5	30.6	33.2	27.9	28.2	24.7	23.6	33.1
competitiveness	46.3	50.5	48.3	43.7	44.8	44.8	51.3	40.8	46.0	46.7	41.4
drive to achieve	67.0	71.6	73.1	63.0	65.9	64.7	72.8	63.7	69.3	70.1	63.5
emotional health	52.5	52.8	59.7	49.3	54.4	54.9	56.4	52.5	49.6	48.8	55.0
foreign language ability	38.9	44.4	54.9	29.4	41.5	41.8	42.1	40.6	24.7	25.4	19.4
leadership ability	50.5	54.5	55.0	43.5	54.5	55.0	52.1	55.1	46.2	46.0	47.9
mathematical ability	36.1	38.6	43.4	33.5	34.8	32.9	33.2	38.7	30.2	31.4	22.2
physical health	51.1	52.0	57.1	49.0	51.3	54.4	47.8	48.9	50.8	51.5	46.0
popularity	41.1	37.8	53.1	40.2	42.6	40.4	43.2	45.5	41.0	41.4	38.3
popularity with opposite sex	43.0	44.1	46.6	41.2	43.4	44.9	42.5	41.7	41.7	42.5	36.6
public speaking ability	34.3	37.3	31.8	29.7	38.1	40.2	33.4	37.9	30.9	30.0	37.1
self-confidence (intellectual)	53.0	55.1	64.5	46.9	56.1	57.1	56.7	54.3	47.6	48.0	45.4
self-confidence (social)	44.1	47.9	51.3	38.2	46.3	45.0	50.1	46.0	43.5	43.5	43.3
writing ability	55.1	56.4	62.4	50.0	58.6	56.5	56.2	63.3	48.6	49.5	42.4
Permission to Use I.D. in 1988											
yes	81.1	87.8	72.2	81.7	74.5	75.6	66.7	77.5	67.7	65.1	84.1
no	18.9	12.2	27.8	18.3	25.5	24.4	33.3	22.5	32.3	34.9	15.9
Permission to Use I.D. in 1990											
yes	69.6	69.1	66.5	66.6	75.2	77.1	66.9	77.3	69.3	69.8	65.4
no	30.4	30.9	33.5	33.4	24.8	22.9	33.1	22.7	30.7	30.2	34.6

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (Reported in 1988)											
be elected to student office....	4.4	6.5	3.7	2.0	5.5	6.9	6.2	3.0	0.5	0.3	1.8
be satisfied with college.....	55.9	59.1	66.2	47.7	60.3	60.4	53.4	64.1	56.5	55.6	62.2
change career choice.....	17.4	20.3	19.5	13.9	18.4	15.4	19.9	21.8	10.8	10.6	12.1
change major field.....	17.5	19.4	19.7	16.3	16.6	14.5	17.9	18.7	12.7	13.7	6.3
drop out permanently.....	0.8	0.4	0.2	1.7	0.3	0.4	0.3	0.0	0.3	0.4	0.0
drop out temporarily.....	0.4	0.2	0.2	0.6	0.3	0.7	0.0	0.0	0.0	0.0	0.0
fail one or more courses.....	1.5	0.7	0.0	3.0	0.8	0.0	1.1	1.6	0.1	0.0	0.6
get job to pay expenses.....	38.9	42.9	36.9	37.2	37.5	36.7	42.0	35.9	37.8	40.0	23.9
get married while in college....	5.1	3.1	1.5	7.5	5.1	6.2	3.8	4.5	3.1	2.3	8.6
graduate with honors.....	11.7	12.5	15.5	9.9	12.3	14.1	11.7	10.3	4.0	3.6	6.5
join social frat or sorority....	21.4	25.8	32.9	13.6	23.8	27.0	19.7	21.7	13.3	12.3	20.1
make at least "B" average.....	42.3	50.1	42.2	34.7	44.2	45.1	47.7	40.8	37.0	38.6	26.2
participate in student protests.	6.1	5.7	6.5	3.4	10.1	13.4	6.3	7.9	3.1	3.1	3.0
play varsity athletics.....	9.9	6.6	10.3	7.1	17.2	18.6	14.5	16.9	9.0	7.8	17.0
transfer to another college.....	10.0	5.1	2.1	14.8	11.4	13.7	13.7	6.8	15.0	12.9	28.1
work at outside job.....	20.1	23.5	15.4	23.0	13.8	14.2	16.8	11.7	27.4	28.2	22.1
work full-time while attending..	2.5	2.8	0.9	3.2	1.6	1.6	1.3	1.8	4.1	4.6	1.0
Events Occurring Since Entering College (5)											
was elected to student office...	12.8	10.4	12.1	11.5	17.2	14.6	17.6	20.7	6.9	5.1	20.1
was satisfied w/fresh coll (6)..	76.4	74.7	77.1	75.6	79.4	79.2	79.5	79.5	74.8	74.2	79.0
changed career choice (6).....	51.5	54.4	45.0	52.3	49.2	48.6	51.2	48.9	43.4	43.6	42.0
changed major field (6).....	45.4	43.8	49.2	43.9	48.2	42.4	53.5	53.0	48.0	49.9	35.5
dropped out permanently (6).....	5.5	3.5	7.0	6.2	6.3	8.8	1.9	5.4	8.6	9.2	4.4
dropped out temporarily (6).....	5.3	7.5	3.5	5.5	3.4	4.0	2.1	3.3	6.5	6.8	4.2
failed a course or class.....	28.6	28.4	21.2	33.5	24.2	30.3	16.8	19.6	33.4	33.8	30.1
had part-time job off-campus....	47.4	52.7	52.4	46.2	41.9	38.2	51.4	41.5	57.5	59.5	43.4
had part-time job on campus.....	41.8	32.5	47.1	38.7	54.6	52.3	58.1	55.8	31.3	30.2	38.7
worked full-time while student..	8.0	7.9	10.0	9.9	5.0	6.0	4.7	3.6	9.5	9.1	12.8
got married.....	3.0	3.0	1.1	3.8	2.5	2.0	1.7	3.8	1.3	1.0	3.8
graduated with honors.....	1.0	0.3	0.2	1.9	0.9	1.4	0.4	0.5	6.4	4.8	17.8
joined a fraternity or sorority.	22.7	23.1	32.6	22.6	19.6	16.8	8.4	30.4	11.2	9.7	21.9
made "B" or better coll GPA (6).	64.6	65.3	73.5	61.4	65.9	60.6	69.6	71.6	59.6	59.9	57.9
participated in student protests	15.2	12.8	19.2	13.9	18.4	22.8	15.1	13.9	5.6	6.1	1.7
played intercoll foot/basketball	2.8	2.7	0.6	2.6	3.9	3.9	6.0	2.6	3.2	3.1	4.2
played other intercoll sport....	16.1	14.3	19.1	12.2	22.7	21.7	19.2	26.5	17.7	18.8	10.0
transferred before graduating...	20.0	15.9	30.0	23.7	16.7	15.9	20.4	15.6	14.3	12.1	29.1
Other College Activities (5)											
assisted faculty in teaching....	4.4	2.2	3.9	3.8	7.6	7.4	9.7	6.8	3.6	2.8	9.4
attd racial/cultural workshop...	19.7	16.4	35.3	18.8	20.3	23.6	16.9	17.7	11.2	11.0	12.4
enrolled in ethnic std course...	17.6	17.4	25.9	14.7	19.4	21.1	18.1	17.7	8.9	9.2	6.8
enrolled in honors program.....	18.3	19.3	26.7	13.6	21.2	20.7	21.2	21.9	14.8	13.5	24.0
enrolled in women's std course..	13.3	15.1	9.7	11.8	14.4	18.2	9.7	11.7	5.0	5.3	2.6
in college internship program...	7.1	6.9	10.7	4.2	10.3	12.4	6.3	9.6	12.0	13.3	2.9
in social/ethnic student org....	11.2	9.5	15.4	11.4	11.6	13.2	12.5	8.6	4.7	5.4	0.0
in study abroad program.....	6.2	5.0	9.3	3.0	11.3	11.6	8.2	12.6	1.1	0.8	2.7
taken reading study/skills class	20.8	9.2	17.5	31.4	19.6	23.1	19.5	14.5	23.8	23.3	27.8
taken remedial/develop course...	10.2	5.6	8.4	16.3	7.4	8.5	8.3	5.1	14.4	15.2	8.5
worked on prof's research proj..	7.2	6.4	8.7	7.9	6.7	8.0	6.1	5.3	6.5	7.4	0.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Last Year Reported in 1988											
attended a religious service....	84.4	78.8	93.5	86.1	85.8	82.4	89.1	88.7	86.7	86.8	85.7
did extra work for class (7)....	14.1	15.4	12.9	14.0	13.0	11.3	16.8	13.3	8.2	7.3	13.9
didn't complete homework on time	64.2	60.9	67.9	64.2	66.8	67.6	64.8	66.8	59.4	57.6	72.0
drank beer.....	56.9	56.1	61.9	55.6	58.3	63.1	65.2	47.2	64.9	67.1	50.2
drank wine or liquor.....	68.2	68.8	74.7	67.7	66.4	68.2	74.1	59.0	71.9	72.0	71.0
felt depressed (7).....	14.6	13.4	7.6	15.9	16.0	19.8	15.4	11.0	12.5	12.6	11.5
felt overwhelmed (7).....	28.7	31.2	24.4	23.8	34.1	35.8	33.2	32.0	24.4	24.6	22.9
smoked cigarettes (7).....	8.3	5.7	5.0	9.1	10.8	15.7	7.2	5.8	9.4	9.7	7.6
stayed up all night.....	80.3	82.6	86.8	76.7	81.1	82.1	83.5	78.3	79.0	77.5	89.1
studied with other students.....	89.5	90.9	92.7	86.7	91.0	91.0	88.7	92.3	88.7	88.6	89.1
tutored another student.....	51.1	58.0	70.2	43.7	48.7	49.4	47.3	48.6	38.6	38.9	36.7
used a personal computer (7)....	26.7	28.3	23.3	25.3	28.0	28.4	24.4	29.4	25.2	23.6	36.1
was bored in class (7).....	35.9	36.8	39.2	30.8	41.0	42.4	39.1	40.1	24.6	24.7	23.7
was guest in teacher's home.....	31.4	32.8	36.3	29.3	31.6	29.5	35.4	32.3	29.1	29.5	26.3
won varsity letter in sports....	40.1	39.0	50.1	38.0	41.6	41.4	38.2	43.8	40.6	41.0	38.0
Reported in 1990											
attended a religious service....	72.8	65.6	74.2	75.3	76.8	70.5	82.2	82.7	73.0	73.1	72.6
attended recital or concert.....	81.5	78.8	91.8	79.5	84.6	81.9	82.5	89.9	70.1	68.3	82.2
been lonely or homesick.....	73.6	71.8	70.3	75.8	73.6	71.8	67.9	79.7	57.3	55.5	69.8
drank beer.....	66.1	68.5	80.3	63.1	63.9	65.1	74.2	56.0	68.1	69.1	60.8
drank wine or liquor.....	78.8	83.0	87.0	76.4	75.3	76.7	82.5	69.0	72.3	72.0	73.8
felt depressed (7).....	14.5	12.3	17.4	18.1	11.5	10.0	13.8	12.2	8.9	9.6	4.4
felt overwhelmed (7).....	32.3	35.4	33.0	31.7	29.3	26.6	33.8	30.6	23.5	23.4	24.3
recd personal/psych counseling..	14.0	13.8	15.2	10.2	19.1	21.8	21.3	13.9	15.6	15.9	13.8
recd voc/career counseling.....	47.8	52.1	46.6	46.3	45.7	41.6	52.6	47.6	51.4	50.7	56.5
smoked cigarettes (7).....	11.5	10.3	6.5	13.0	12.2	16.7	8.0	8.0	14.9	15.4	11.1
socialized w/diff ethnic grp (7)	46.8	49.9	49.1	39.2	53.5	54.3	54.3	51.7	45.6	44.4	54.5
stayed up all night.....	69.8	70.9	73.4	69.6	67.9	69.4	66.6	66.4	67.2	66.5	72.2
used a personal computer (7)....	38.0	35.2	40.6	31.1	50.0	56.8	44.0	43.8	36.9	36.2	41.9
Activities in Last Year of College											
did extra work for class (7)....	8.6	8.2	5.3	8.4	10.3	10.1	14.5	8.1	8.5	7.9	12.4
didn't complete homework on time	53.9	49.8	61.3	55.0	54.8	54.9	50.8	56.9	51.2	50.1	58.6
discussed course w/students (7).	67.0	65.7	67.5	62.8	74.1	71.1	77.7	76.4	60.2	59.7	64.1
felt like leaving college.....	48.1	45.5	49.9	52.7	44.2	45.3	39.6	45.4	49.2	48.7	52.6
missed class due to illness (7).	4.0	3.4	2.3	3.3	6.0	6.3	4.3	6.6	4.5	3.5	11.0
participated in intramural sport	31.9	30.7	26.5	31.3	35.4	32.5	35.9	39.4	35.0	34.7	37.2
performed volunteer work.....	44.0	40.4	46.2	42.0	50.2	46.1	54.4	53.7	33.1	31.4	45.1
studied with other students.....	92.1	91.5	91.5	92.1	92.9	91.0	95.5	94.3	88.5	87.8	93.3
took interdisciplinary course...	37.2	38.9	37.4	27.8	47.8	44.6	44.5	54.5	28.1	29.4	19.1
tutored another student.....	41.8	39.9	53.6	37.1	47.2	43.1	50.0	51.6	45.5	45.5	45.2
used a personal computer (7)....	33.3	29.7	38.3	26.9	44.7	48.4	40.8	41.4	32.1	30.7	41.6
was bored in class (7).....	26.0	34.8	20.2	24.8	19.5	17.8	22.6	20.2	29.1	29.0	30.1
was guest in professor's home...	18.8	9.9	23.9	12.3	35.9	36.0	20.3	45.4	18.2	14.6	42.9
worked on grp projects in class.	84.7	80.4	83.5	86.7	87.2	82.5	93.0	90.5	87.3	87.2	87.7
worked on ind research project..	47.0	32.2	45.4	53.3	54.8	56.0	54.9	52.9	59.4	58.9	62.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1988											
with parents or relatives	12.6	8.3	1.7	22.5	6.8	6.3	8.3	6.4	28.2	30.5	13.8
other private home,apt,room	27.2	34.2	18.2	27.6	21.4	26.4	20.0	14.9	28.1	29.4	20.2
college dormitory	44.3	41.9	67.3	33.5	55.5	52.2	55.9	60.0	31.5	28.3	51.1
fraternity or sorority house	7.7	8.4	11.0	6.0	8.3	8.1	4.7	10.8	5.9	5.0	11.2
other campus housing	6.3	5.7	1.9	7.5	6.7	6.4	9.0	5.5	2.9	3.0	2.1
other	1.9	1.5	0.0	3.0	1.4	0.5	2.1	2.3	3.5	3.8	1.5
Planned for Fall 1988											
with parents or relatives	16.4	20.0	4.9	20.3	10.7	12.3	16.8	4.6	53.9	56.5	36.4
other private home,apt,room	3.2	5.2	1.4	3.7	0.9	0.4	2.1	0.8	7.7	8.5	2.1
college dormitory	77.3	71.8	81.3	73.7	87.0	85.6	78.9	93.7	35.0	31.0	61.5
fraternity or sorority house	1.0	0.0	9.5	0.3	0.5	0.4	0.6	0.5	0.3	0.3	0.0
other campus housing	1.9	3.0	3.0	1.7	0.8	0.9	1.7	0.2	2.6	2.9	0.0
other	0.2	0.0	0.0	0.3	0.1	0.3	0.0	0.0	0.6	0.7	0.0
First Year											
with parents or relatives	16.3	19.6	5.8	20.3	10.0	11.6	15.8	4.0	56.7	60.5	31.5
other private home,apt,room	4.4	7.1	4.7	4.6	0.9	0.7	0.8	1.1	6.0	6.7	1.8
college dormitory	77.7	71.7	87.2	73.3	87.6	87.0	81.5	92.1	34.9	30.2	66.7
frat or sorority house	0.3	0.3	0.0	0.1	0.6	0.2	0.0	1.7	0.0	0.0	0.0
other campus student housing	1.2	1.4	2.3	1.2	0.7	0.5	1.9	0.3	1.7	1.9	0.0
other	0.2	0.0	0.0	0.4	0.2	0.0	0.0	0.7	0.6	0.7	0.0
Second Year											
with parents or relatives	23.2	24.6	12.9	29.7	15.4	16.1	18.4	12.6	53.2	57.2	24.1
other private home,apt,room	16.9	27.3	25.1	12.5	9.4	11.8	7.5	6.9	17.1	17.4	15.2
college dormitory	52.9	38.2	53.0	54.8	66.2	62.6	64.4	72.4	27.5	23.2	59.1
frat or sorority house	2.7	4.5	4.6	0.4	3.2	3.0	0.0	5.4	0.0	0.0	0.0
other campus student housing	3.5	4.3	4.3	1.9	4.4	3.5	9.5	2.7	1.5	1.6	0.8
other	0.9	1.1	0.0	0.7	1.4	3.0	0.2	0.0	0.7	0.7	0.8

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1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Objectives Noted as Essential or Very Important in 1988 (8)											
achieve in a performing art.....	12.7	14.9	14.1	8.4	15.7	21.0	8.3	12.9	3.9	3.7	5.5
become authority in my own field	73.2	75.9	68.2	73.2	71.8	76.8	67.3	67.1	72.3	72.1	73.8
obtain recog from colleagues....	53.4	53.2	60.9	49.3	56.9	62.1	55.5	50.5	52.2	52.0	53.1
influence political structure...	14.8	14.3	20.2	12.1	17.2	17.7	19.6	15.0	13.5	14.1	9.5
influence social values.....	41.6	38.1	49.4	37.8	48.3	50.3	43.9	48.2	43.8	44.5	39.5
raise a family.....	65.2	64.4	66.7	61.7	70.2	69.7	68.4	72.0	65.9	67.1	58.1
in 1990											
achieve in a performing art.....	11.3	8.9	18.2	9.9	13.9	15.6	10.1	13.6	5.0	4.8	6.2
become authority in my own field	73.9	74.0	64.0	76.8	72.6	76.0	70.1	69.2	74.0	74.5	69.9
obtain recog from colleagues....	56.2	57.7	62.3	56.7	52.2	52.7	56.2	49.1	58.9	58.0	64.7
influence political structure...	15.5	15.2	20.1	12.1	19.3	22.0	18.4	15.9	11.8	10.7	19.8
influence social values.....	48.1	41.2	52.6	47.8	54.7	56.9	53.7	52.1	47.6	47.0	52.1
raise a family.....	72.4	70.2	69.6	75.5	71.2	67.8	73.8	74.8	69.4	68.8	73.7
have admin responsibility.....	40.3	45.5	30.1	40.7	36.7	33.4	44.5	36.9	55.0	55.4	52.4
be very well off financially....	65.1	68.0	64.0	66.1	61.0	68.3	59.8	50.8	71.1	71.5	68.8
help others in difficulty.....	73.3	70.3	67.7	75.8	74.9	73.8	81.2	72.7	77.6	78.4	72.5
theoretical contrib to science..	10.4	13.3	6.5	8.4	11.1	10.0	16.8	9.2	11.5	11.8	8.9
write original works.....	17.2	17.8	27.2	15.3	16.3	15.7	16.0	17.2	11.9	13.0	4.8
create artistic work.....	13.3	11.3	15.0	13.1	15.3	17.7	13.8	12.5	17.1	15.5	28.0
be successful in own business...	32.5	35.4	25.9	29.3	35.5	38.8	36.8	29.7	44.3	43.0	53.0
be involved in environ cleanup..	43.6	43.0	38.0	43.2	46.3	47.3	50.2	42.5	41.4	40.9	45.0
develop philosophy of life.....	49.0	44.2	65.6	47.4	51.6	53.1	56.0	46.7	45.4	43.8	56.5
participate in community action.	30.4	25.1	46.5	28.4	34.3	37.1	39.3	27.1	26.8	26.2	31.2
promote racial understanding....	42.6	40.0	45.6	39.5	48.8	51.8	53.3	41.4	41.8	40.8	48.4
be expert on finance/commerce...	14.6	15.3	12.4	14.5	14.6	13.4	20.7	12.6	20.0	18.9	27.8
Students Reporting Much Stronger Abilities and Skills in 1990											
general knowledge.....	29.7	27.1	32.0	29.1	32.8	33.8	36.0	29.3	23.2	22.6	27.4
problem-solving skills.....	11.6	12.2	8.1	11.5	11.8	14.7	11.4	7.8	11.6	11.5	13.0
knowledge of particular field...	37.8	35.8	46.7	32.4	45.2	44.4	46.7	45.4	34.8	34.2	38.8
critical thinking ability.....	19.7	19.4	20.1	19.3	20.6	22.3	20.0	18.5	16.0	15.9	17.4
foreign language ability.....	7.9	11.6	8.6	4.3	8.7	8.7	9.5	8.4	4.6	4.8	3.6
job-related skills.....	16.5	16.8	17.1	15.4	17.5	19.1	22.0	12.5	23.4	23.9	20.0
religious beliefs & convictions.	8.2	6.9	8.1	7.2	10.8	9.8	12.0	11.6	5.6	4.7	12.0
interest in grad/prof school....	31.7	27.5	34.9	33.5	32.9	31.6	36.6	32.7	34.7	32.8	47.8
preparation for grad/prof school	13.2	10.6	12.2	10.7	19.8	19.5	17.9	21.3	19.3	18.5	25.2
leadership abilities.....	11.9	9.3	10.9	13.0	13.5	13.5	12.5	14.0	11.8	10.3	21.7
ability to work independently...	24.8	23.6	23.1	25.4	25.7	26.4	26.4	24.2	27.2	26.6	31.6
interpersonal skills.....	18.6	16.1	19.4	19.4	20.1	18.0	20.6	23.0	22.5	22.4	22.7
cultural awareness.....	23.8	23.8	25.7	19.6	29.0	31.8	28.1	25.5	15.0	13.1	28.1
tolerance of different beliefs..	24.6	20.7	29.3	24.2	28.2	31.9	22.6	26.1	21.0	19.2	33.7
acceptance of dif races/cultures	21.3	19.5	25.0	20.8	23.0	24.6	22.5	21.0	24.8	23.8	31.7
confidence in academic abilities	12.2	10.0	18.6	10.9	14.6	15.5	14.9	13.1	21.5	21.1	24.1
writing skills.....	12.2	15.0	14.2	8.5	13.7	13.0	15.2	13.8	15.4	15.5	14.7
public speaking ability.....	10.8	11.1	5.4	11.1	11.4	10.0	14.0	11.8	19.3	18.7	23.5
competitiveness.....	10.4	11.3	4.6	11.5	9.6	11.1	12.7	5.4	14.8	12.1	33.5
ability to work cooperatively...	14.9	12.5	24.1	15.7	13.9	15.8	14.7	10.7	21.7	20.4	30.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agree Strongly or Somewhat in 1988											
abolish death penalty	23.3	19.3	20.1	22.6	29.4	32.4	25.6	27.6	20.8	20.6	22.7
abortion should be legalized	60.3	64.0	62.0	60.7	55.4	65.1	45.6	47.1	51.0	51.1	50.5
busing OK to achieve balance	54.3	52.5	43.5	56.0	56.8	60.2	63.0	48.4	55.9	55.1	60.8
college increases earning power	61.7	59.7	60.8	69.2	53.8	57.3	58.4	46.0	71.5	70.9	75.9
govt not controlling pollution	85.5	82.3	89.9	86.3	86.8	89.1	86.9	83.6	83.1	81.9	91.1
govt not promoting disarmament	75.6	75.8	66.3	75.0	78.9	81.5	78.7	75.2	75.6	76.6	68.9
govt not protecting consumer	67.6	60.0	68.6	74.3	66.3	66.9	70.9	62.8	70.1	69.7	72.9
increase fed military spending	18.8	10.7	16.1	26.1	18.5	19.6	16.2	18.3	15.2	15.5	13.2
live together before marriage	48.5	51.4	55.2	48.5	43.4	52.6	41.0	31.7	47.6	48.5	41.7
marijuana should be legalized	18.2	17.3	21.7	17.5	19.2	25.6	12.6	14.3	14.1	15.0	8.1
married women best in home	19.1	16.0	7.7	23.1	20.2	22.3	13.4	21.3	28.1	29.5	18.7
nuclear disarmanent attainable	62.5	58.9	65.9	63.1	64.6	64.5	69.8	61.7	56.0	55.7	57.7
prohibit homosexual relations	37.5	34.1	36.9	43.1	33.9	30.5	33.3	39.0	44.5	44.6	44.5
raise taxes to reduce deficit	24.6	24.5	35.6	20.7	27.1	28.6	23.8	26.7	26.5	25.3	34.9
in 1990											
abolish death penalty	24.3	18.5	25.5	24.6	29.8	30.4	33.0	27.1	25.0	25.6	20.7
abortion should be legal	74.7	79.5	80.5	71.9	71.8	81.9	61.0	63.3	69.3	70.5	61.4
busing OK to achieve balance	48.8	44.0	42.7	52.6	50.4	48.9	48.9	53.5	58.2	58.7	55.1
college ban extreme speakers	13.5	15.5	6.9	12.5	14.5	15.3	11.2	15.4	9.9	9.1	15.7
college increases earning power	47.0	49.1	35.9	53.9	38.1	37.7	40.9	36.9	59.1	61.8	39.9
college regulate off-campus acts	7.7	7.1	19.1	4.8	9.3	10.2	7.3	9.0	8.7	8.5	9.6
govt not controlling pollution	88.1	87.8	90.4	87.2	89.1	91.3	86.4	87.4	87.1	86.9	88.8
govt not promoting disarmament	73.4	73.4	64.3	74.3	74.5	73.2	75.6	75.7	71.7	71.8	70.9
govt not protecting consumer	68.8	66.2	61.0	71.6	69.9	72.1	70.5	66.2	69.4	67.2	85.1
increase fed military spending	12.8	10.2	19.1	15.9	9.6	9.4	8.0	10.8	14.1	14.6	11.2
live together before marriage	47.5	51.7	43.7	44.2	48.7	61.7	42.7	32.8	53.4	53.9	49.4
marijuana should be legalized	21.2	22.9	24.7	19.4	21.1	23.7	14.1	21.3	19.3	18.5	25.0
married women best in home	15.1	11.5	14.5	19.8	12.8	13.7	11.9	12.0	22.2	21.3	28.8
national health care plan needed	69.0	66.3	68.4	68.6	72.9	72.4	75.7	72.0	82.5	82.6	82.3
nuclear disarmament attainable	62.9	58.7	60.4	62.4	68.7	71.0	62.0	69.2	67.1	69.1	53.2
prohibit homosexual relations	22.9	19.4	10.9	28.3	22.5	22.3	18.9	24.9	28.0	27.4	31.7
raise taxes to reduce deficit	28.4	29.0	42.4	25.9	27.2	24.0	29.3	30.8	25.3	25.6	23.3
wealthy should pay more taxes	67.1	66.9	70.4	68.4	64.6	63.8	65.7	65.3	73.2	74.0	67.6
Political Orientation in 1988											
far left	1.6	1.9	1.2	1.8	1.0	0.3	3.9	0.3	2.3	2.2	3.0
liberal	23.1	27.9	23.8	17.0	25.7	32.6	23.3	17.2	16.0	16.0	16.0
middle of the road	55.4	55.9	43.5	60.5	50.9	46.4	55.4	54.9	68.4	69.5	60.7
conservative	19.1	13.4	29.9	19.8	21.6	19.6	17.4	26.8	13.0	12.3	17.8
far right	0.9	0.8	1.6	1.0	0.7	1.1	0.0	0.8	0.3	0.0	2.5
Political Orientation in 1990											
far left	0.9	0.6	0.9	0.5	1.9	2.6	0.9	1.5	0.7	0.3	3.4
liberal	29.7	32.0	33.1	25.8	31.4	36.9	25.7	26.6	27.2	29.2	12.9
middle of road	51.0	48.8	42.8	58.1	46.1	43.7	51.7	46.5	57.6	56.5	65.7
conservative	18.1	18.2	22.9	15.6	20.3	16.7	21.7	24.8	14.3	13.8	18.0
far right	0.2	0.5	0.2	0.0	0.3	0.2	0.0	0.6	0.3	0.3	0.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
None											
studying or doing homework	0.3	0.0	0.4	0.4	0.5	0.2	0.0	1.1	0.9	1.0	0.0
socializing with friends	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.4	0.4	0.0
talkling w/teacher outside class	5.6	7.8	2.8	4.5	5.4	7.2	4.2	3.2	9.0	9.9	3.0
exercising or sports	4.7	2.6	2.9	7.0	4.3	5.2	4.5	2.9	7.4	7.3	8.1
partying	16.2	14.6	10.6	18.7	16.1	15.0	10.5	21.1	15.1	14.9	16.0
working (for pay)	26.8	24.0	42.3	22.5	31.4	35.0	25.4	29.6	22.3	21.2	29.8
volunteer work	52.4	48.6	40.5	58.4	51.9	51.7	55.6	50.1	57.3	57.7	54.5
student clubs and groups	21.4	17.4	10.5	27.8	20.2	24.8	20.8	13.0	30.8	32.1	21.7
watching TV	6.1	5.8	12.5	4.7	6.6	6.6	2.7	8.8	5.8	6.4	1.8
hobbies	7.6	9.7	4.9	6.8	7.1	5.7	8.2	8.6	15.5	16.9	6.0
Six or More Hours											
studying or doing homework	80.2	81.8	88.2	78.6	78.4	74.3	77.8	84.7	75.8	76.5	70.7
socializing with friends	92.6	93.2	97.6	89.7	94.5	95.2	95.3	92.9	88.8	88.9	88.5
talkling w/teacher outside class	25.0	22.2	27.0	21.6	32.0	33.5	25.1	34.1	27.9	28.1	26.5
exercising or sports	58.4	57.5	62.1	53.5	64.9	68.8	60.2	61.7	57.2	58.6	48.0
partying	55.2	57.1	60.6	52.9	54.5	57.4	61.8	45.9	62.0	62.0	61.7
working (for pay)	67.4	69.4	53.6	70.5	64.7	61.6	68.9	66.6	73.2	74.2	66.7
volunteer work	15.0	17.0	18.7	9.9	18.7	20.5	14.0	18.8	13.2	13.0	14.7
student clubs and groups	39.1	39.9	38.4	35.3	43.5	38.5	39.8	52.9	30.0	29.9	30.8
watching TV	56.3	49.5	52.2	59.9	59.9	60.1	58.5	60.5	63.3	64.1	58.2
hobbies	50.6	49.4	43.8	50.1	54.3	55.5	45.6	57.8	49.7	48.5	57.8
Sixteen or More Hours											
studying or doing homework	21.7	22.5	29.2	13.7	29.5	26.2	29.9	34.2	15.1	14.9	16.5
socializing with friends	55.1	50.4	59.8	54.2	59.9	62.3	57.7	57.6	57.3	58.9	47.0
talkling w/teacher outside class	2.3	2.1	5.3	1.0	3.4	2.4	2.0	5.6	3.5	3.5	3.6
exercising or sports	19.6	18.0	36.3	16.0	21.8	21.8	18.2	24.0	23.7	25.2	13.7
partying	14.4	10.6	25.2	12.6	18.1	20.9	16.0	15.3	21.6	22.3	16.8
working (for pay)	49.4	52.4	30.8	52.9	46.6	43.6	53.5	47.0	53.8	56.0	39.3
volunteer work	3.1	3.4	3.9	2.5	3.6	3.3	1.7	5.1	0.9	0.0	6.8
student clubs and groups	8.3	9.2	8.9	7.0	8.9	8.0	6.8	11.6	5.5	5.5	5.3
watching TV	12.6	8.2	6.0	16.8	13.6	14.2	11.0	14.2	10.4	9.7	14.7
hobbies	10.3	7.9	8.5	12.3	10.6	8.6	8.4	14.8	13.7	14.2	10.2

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
None											
classes/labs	0.9	0.9	1.0	1.0	0.7	0.8	0.3	0.6	1.2	1.1	2.2
studying/homework	0.2	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	1.4
socializing with friends	0.5	0.4	0.0	0.5	0.8	1.6	0.0	0.0	0.0	0.0	0.0
talking w/faculty outside class	10.8	16.4	7.4	10.0	6.8	9.0	3.7	5.6	10.2	10.9	5.1
exercising/sports	7.2	6.5	7.1	9.1	5.5	7.3	6.0	2.7	7.5	7.9	4.3
reading for pleasure	21.6	22.4	15.5	21.7	22.1	18.1	23.7	27.0	23.9	23.9	23.4
using a personal computer	22.8	24.2	15.2	27.0	17.8	16.0	20.7	18.8	20.0	19.4	24.0
partying	13.4	10.9	8.9	14.9	15.2	13.5	9.7	20.9	15.8	15.3	19.3
working (for pay)	29.5	28.3	22.5	34.2	26.3	28.8	22.1	25.2	25.4	25.2	27.1
volunteer work	61.0	66.8	52.9	62.1	55.7	60.0	53.5	50.8	71.0	74.1	49.9
student clubs/groups	41.7	45.4	33.3	46.1	34.0	38.3	37.5	25.6	57.4	59.9	39.3
watching TV	8.2	7.7	16.0	5.4	10.2	9.4	7.2	13.1	3.1	2.5	7.4
commuting to campus	54.5	46.6	53.8	53.0	65.2	61.4	62.1	72.7	26.9	22.8	56.2
religious services/meetings	41.4	48.7	46.5	37.6	37.3	45.5	30.7	29.2	46.7	48.5	33.9
hobbies	22.1	21.8	27.9	23.3	19.0	17.2	17.4	22.7	20.4	21.2	14.6
Six or More Hours											
classes/labs	88.8	91.2	87.5	85.8	90.7	89.5	92.4	91.6	85.0	84.2	91.1
studying/homework	76.3	79.9	76.8	72.7	77.1	72.4	84.8	79.3	71.4	71.5	70.6
socializing with friends	79.2	77.0	79.2	79.8	80.5	78.1	74.0	88.2	70.4	69.8	74.7
talking w/faculty outside class	2.4	2.5	1.0	2.2	3.1	3.9	1.2	3.0	4.2	3.5	9.5
exercising/sports	19.7	20.6	25.1	14.3	24.5	26.2	21.1	24.0	17.1	16.5	21.8
reading for pleasure	7.8	7.3	5.5	10.4	5.6	7.1	3.7	4.5	9.3	10.1	3.4
using a personal computer	14.2	12.4	16.0	11.7	19.0	20.9	17.0	17.6	17.1	16.8	19.0
partying	28.3	28.2	43.2	24.2	29.8	30.4	33.5	26.7	34.6	36.0	24.4
working (for pay)	60.6	64.4	66.5	58.3	57.8	54.7	63.6	58.9	69.0	68.9	69.9
volunteer work	3.5	5.1	1.9	3.3	2.7	3.0	1.5	3.1	0.7	0.3	3.3
student clubs/groups	9.3	8.9	9.1	8.6	10.7	13.0	7.9	9.1	4.3	4.4	3.9
watching TV	25.7	27.2	15.5	31.0	20.0	22.4	23.1	14.7	26.3	27.2	20.2
commuting to campus	8.2	9.2	9.2	8.5	6.5	9.9	4.3	2.9	20.3	22.2	7.3
religious services/meetings	3.7	1.6	1.6	5.9	3.4	2.3	2.1	5.8	2.5	2.7	1.6
hobbies	6.8	6.3	3.1	8.3	6.5	7.0	3.8	7.3	11.1	10.7	13.9
Sixteen or More Hours											
classes/labs	44.4	46.2	37.3	44.6	44.2	41.6	50.3	44.1	47.1	45.6	58.2
studying/homework	24.8	29.4	25.1	17.4	29.9	26.3	30.6	34.7	18.1	19.2	10.4
socializing with friends	31.5	26.7	33.8	33.3	33.4	35.8	26.1	34.3	30.3	30.0	32.5
talking w/faculty outside class	0.3	0.0	0.0	0.4	0.7	1.3	0.4	0.0	0.7	0.7	1.4
exercising/sports	3.8	3.1	6.4	3.4	4.2	4.8	3.5	3.7	2.0	1.9	2.8
reading for pleasure	2.1	2.8	1.3	2.0	1.8	2.5	1.1	1.2	0.3	0.4	0.0
using a personal computer	2.4	3.0	1.2	2.2	2.2	2.9	1.8	1.4	4.6	4.3	6.6
partying	4.8	6.4	3.8	4.1	4.2	4.7	4.0	3.7	6.2	6.8	1.9
working (for pay)	28.6	35.5	30.9	29.5	19.4	21.9	22.3	14.1	40.7	41.9	31.9
volunteer work	0.6	0.5	0.6	0.4	0.9	1.2	1.0	0.5	0.5	0.3	1.9
student clubs/groups	1.7	1.8	2.7	1.2	2.1	2.5	1.3	2.1	1.8	1.7	2.0
watching TV	4.4	3.6	6.2	5.0	4.1	4.1	3.6	4.4	8.1	8.8	3.0
commuting to campus	1.5	0.9	0.0	2.5	1.4	2.2	0.6	0.7	3.3	3.7	0.8
religious services/meetings	0.6	0.3	0.0	0.9	0.7	0.6	0.4	1.0	0.0	0.0	0.0
hobbies	1.4	1.3	0.6	2.1	0.6	1.1	0.3	0.0	2.3	2.4	2.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1988 (9)											
artist (including performer)	9.9	13.8	8.6	6.3	11.0	15.2	9.2	6.1	4.1	2.7	13.9
business	18.4	18.7	19.4	17.7	18.6	20.4	21.4	14.6	21.4	20.2	29.1
clergy or religious worker	0.2	0.0	0.0	0.2	0.4	0.1	0.3	0.9	0.0	0.0	0.0
college teacher	0.4	0.5	0.2	0.2	0.5	0.9	0.2	0.2	0.0	0.0	0.0
doctor (MD or DDS)	5.5	9.3	8.9	2.0	5.2	8.0	3.5	2.1	2.8	2.7	2.9
education (secondary)	5.0	4.1	1.0	6.3	5.4	3.0	5.0	9.0	4.3	4.5	3.2
education (elementary)	8.8	5.1	1.0	13.5	8.5	7.5	7.1	10.6	9.6	9.6	9.7
engineer	2.8	4.4	5.1	1.9	1.8	2.0	2.1	1.3	2.0	2.3	0.0
farmer or forester	0.2	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.8
health professional (non-M.D.)	6.0	7.8	5.3	6.0	4.1	3.2	5.3	4.9	6.0	6.0	5.6
lawyer	5.4	5.1	12.5	4.2	5.3	4.0	7.3	6.0	1.9	1.9	2.2
nurse	2.8	3.0	0.8	3.5	2.2	1.1	2.8	3.6	5.6	6.4	0.0
research scientist	1.8	2.4	1.8	1.2	2.1	1.6	3.7	1.8	0.8	1.0	0.0
other choice	19.7	11.7	20.5	25.1	20.8	22.1	16.8	21.2	30.5	31.3	25.0
undecided	13.2	14.0	15.0	11.4	14.1	10.9	15.4	17.8	10.9	11.3	7.7
Probable Career in 1990 (9)											
artist (including performer)	7.9	9.9	10.8	6.5	6.7	8.6	4.5	5.2	2.7	1.8	8.6
business	18.0	16.6	27.0	17.1	18.5	19.7	24.4	12.9	18.2	18.4	16.9
clergy or religious worker	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.6	0.0	0.0	0.0
college teacher	1.0	1.0	1.6	0.5	1.6	1.9	0.3	1.9	0.4	0.5	0.0
doctor (MD or DDS)	3.4	5.5	1.9	1.1	4.7	6.4	5.6	1.6	1.7	1.3	4.5
education (secondary)	6.0	4.9	5.9	7.3	5.4	3.0	3.6	10.1	3.7	3.4	5.7
education (elementary)	11.0	8.1	1.8	15.4	11.2	7.6	11.4	16.4	18.2	19.3	10.5
engineer	2.0	3.3	1.8	1.6	1.1	1.1	1.2	1.1	3.5	3.8	1.8
farmer or forester	0.5	0.5	0.4	0.1	1.1	1.2	1.2	0.9	0.8	0.9	0.0
health professional (non-M.D.)	6.4	6.9	6.2	8.3	3.5	2.9	5.9	2.9	5.2	5.4	4.1
lawyer	4.1	4.1	10.6	2.1	4.9	5.6	5.6	3.5	3.3	3.2	4.1
nurse	6.8	8.4	1.4	8.9	3.9	2.0	4.8	6.1	7.8	8.6	2.3
research scientist	1.7	2.5	1.8	0.8	1.9	2.5	1.5	1.2	0.3	0.3	0.7
other choice	25.0	21.9	17.2	26.5	28.7	31.0	21.3	29.8	28.4	27.1	37.5
undecided	6.0	6.3	11.5	3.9	6.7	6.5	8.7	5.9	5.7	6.1	3.4

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988 (9)											
agriculture	0.3	0.7	0.0	0.1	0.1	0.0	0.0	0.3	2.3	2.6	0.7
biological sciences	4.9	5.1	4.4	4.2	5.8	5.5	7.3	5.3	1.4	1.5	0.6
business	20.1	19.0	24.1	21.7	17.9	18.3	21.1	15.5	28.8	28.5	31.0
education	13.3	8.9	3.3	19.4	12.4	9.5	9.7	17.8	15.4	15.8	12.6
engineering	3.3	5.8	6.2	1.9	1.8	2.4	1.5	1.2	4.6	5.3	0.0
English	1.7	0.5	2.9	0.9	3.8	2.9	3.6	5.3	0.4	0.4	1.1
health professional	10.2	13.8	8.6	9.9	7.3	7.9	8.7	5.7	11.0	11.1	10.3
history or political science	4.7	4.0	11.4	2.6	6.4	7.0	4.0	6.9	1.1	1.2	0.5
humanities	3.3	3.2	4.2	1.9	5.1	6.6	3.3	4.1	2.5	2.4	2.6
fine arts	3.9	4.0	2.4	3.2	5.2	8.5	0.7	3.3	2.8	1.4	11.7
mathematics or statistics	0.7	1.0	0.9	0.4	0.7	0.6	1.2	0.6	0.7	0.7	0.9
physical sciences	1.3	2.1	0.8	0.5	1.7	1.4	2.1	1.8	1.0	1.1	0.0
social sciences	11.0	8.8	5.0	13.2	11.9	13.3	11.0	10.6	3.5	3.1	6.2
other technical	3.2	2.8	4.6	3.7	2.5	0.7	2.3	5.1	6.7	6.5	8.4
other non-technical	9.8	11.9	11.1	8.3	9.1	10.0	14.0	5.0	11.1	11.6	7.8
undecided	8.4	8.4	10.2	8.1	8.3	5.4	9.5	11.5	6.8	7.0	5.6
Major Reported in 1990 (9)											
agriculture	0.6	1.4	0.0	0.2	0.3	0.3	0.0	0.7	3.6	4.1	0.0
biological sciences	4.6	6.0	1.7	2.9	6.0	7.5	5.4	4.1	0.4	0.5	0.0
business	18.3	13.8	21.0	24.1	14.8	13.6	23.2	11.6	24.0	24.0	23.7
education	14.2	10.0	6.2	21.2	11.8	8.3	11.2	17.2	20.2	21.2	13.1
engineering	2.3	4.3	4.8	1.2	1.0	1.2	1.0	0.6	2.4	2.6	0.8
English	3.9	4.2	6.0	2.4	4.9	4.1	6.2	5.1	1.4	1.6	0.0
health professional	9.3	11.4	6.3	11.1	5.4	4.2	9.0	4.9	9.7	10.0	7.2
history or political science	6.0	5.2	11.9	4.2	7.9	8.7	5.4	8.1	1.7	1.0	6.6
humanities	3.8	3.5	10.1	2.3	4.6	5.3	2.8	4.6	1.0	0.3	5.5
fine arts	5.0	4.6	5.8	3.5	7.1	9.7	5.1	4.6	4.4	3.7	9.8
mathematics or statistics	1.3	1.7	1.3	1.3	0.9	0.7	2.0	0.6	0.4	0.3	0.9
physical sciences	1.5	2.1	1.5	0.7	2.0	1.3	2.0	2.9	0.0	0.0	0.0
social sciences	13.1	12.9	11.0	10.5	17.2	16.1	15.6	19.7	7.9	7.6	10.5
other technical	3.2	2.9	0.6	3.9	3.2	1.2	1.2	7.3	9.9	10.4	6.8
other non-technical	11.8	14.7	10.7	9.4	12.3	16.7	9.2	7.7	12.0	11.8	13.6
undecided	1.1	1.2	1.2	1.3	0.7	1.0	0.7	0.3	1.0	1.0	1.5

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Four-year Colleges: Universities: Pub	Four-year Colleges: Universities: Priv	Four-year Colleges: All Priv: Pub	Four-year Colleges: All Priv	Four-year Colleges: Nons	Four-year Colleges: Cath	Four-year Colleges: Prot	Two-year Colleges: All	Two-year Colleges: Pub	Two-year Colleges: Priv
College Objectives Noted as Being of High Priority											
allow airing of diff opinions...	33.6	35.0	30.4	32.4	34.6	37.4	30.9	32.7	31.2	31.9	26.8
conduct basic & applied research	25.3	50.9	24.6	15.2	11.6	12.4	10.9	10.7	22.1	24.2	7.9
create multi-cultural environ...	29.3	31.6	25.0	28.5	29.1	30.3	29.3	27.2	26.5	27.3	21.3
create positive undergrad exp...	46.7	43.1	47.4	44.1	54.0	49.7	58.5	57.6	43.7	43.7	43.9
devel apprec of multi-cultrl soc	27.4	27.7	23.6	26.8	28.8	30.2	29.9	26.2	25.0	26.3	16.6
devel community among fac/stdnts	33.7	19.2	37.6	33.2	49.2	47.6	54.0	48.6	35.4	33.6	48.4
devel leadership abil in stdnts.	33.6	25.2	30.1	33.6	43.6	45.3	40.5	43.0	24.8	23.5	33.9
devel leadership ability in fac.	18.7	16.4	17.0	20.1	19.7	20.2	21.9	17.5	17.6	18.5	10.9
economize and cut costs.....	22.9	27.2	14.1	25.5	17.2	20.1	17.9	12.5	28.8	28.9	27.8
enhance inst's national image...	43.0	44.8	68.0	35.9	44.1	39.5	47.9	48.6	33.9	32.9	40.8
facilitate cmty svcs involvement	20.9	13.8	25.0	18.5	30.6	29.4	35.2	29.4	19.4	19.2	20.6
help solve soc/environ problems.	19.0	19.7	20.5	15.9	22.2	26.7	18.0	18.0	26.1	28.3	11.1
help students understand values.	31.6	21.9	30.4	28.9	46.1	43.2	52.8	46.5	27.8	26.4	38.2
hire faculty "stars".....	8.0	13.2	12.9	3.8	6.5	7.1	5.0	6.7	4.8	4.5	7.0
increase minorities in fac/admin	24.5	27.2	17.9	24.8	22.8	27.7	14.6	20.6	21.4	21.2	23.0
increase women in fac/admin.....	16.6	12.8	19.8	13.8	23.5	30.7	24.4	12.4	18.4	18.1	21.0
increase/maintain inst prestige.	54.1	58.9	77.3	41.1	60.3	57.8	61.7	63.3	40.7	40.7	40.8
promote intellectual development	58.4	52.5	59.9	56.0	67.8	64.3	75.1	68.6	44.2	44.2	44.0
raise money for the institution.	44.2	50.8	67.4	32.2	47.0	45.2	51.7	47.0	32.8	32.4	36.0
recruit more minority students..	26.3	31.1	20.1	23.3	26.8	27.3	25.1	27.2	27.5	29.0	17.4
teach students how to change soc	20.0	17.2	20.2	19.1	24.2	29.6	20.8	18.4	23.7	24.7	16.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Religious Affiliation in 1988											
Baptist	17.9	14.5	11.4	24.0	15.0	17.6	1.3	19.3	12.4	11.7	17.0
Buddhist	0.6	1.2	0.0	0.5	0.4	0.0	0.0	1.3	0.0	0.0	0.0
Congregational (UCC)	0.9	0.7	0.4	0.2	2.1	2.9	1.9	0.9	1.1	1.3	0.0
Eastern Orthodox	0.4	0.1	1.7	0.4	0.4	0.4	0.6	0.4	0.9	0.9	0.9
Episcopal	2.4	2.3	4.7	1.1	3.7	3.7	1.7	4.8	2.8	2.1	7.5
Islamic	0.3	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0
Jewish	3.2	4.0	5.4	1.7	3.6	6.7	0.6	0.9	1.9	2.0	1.1
Latter Day Saints (Mormon)	0.2	0.1	0.0	0.4	0.2	0.0	0.0	0.6	0.0	0.0	0.0
Lutheran	6.5	7.3	3.3	6.7	6.3	2.0	3.3	14.4	9.0	9.5	5.5
Methodist	7.7	7.8	3.6	9.1	6.6	5.7	5.4	8.6	8.6	8.9	7.1
Presbyterian	6.2	6.3	12.5	4.4	7.0	6.7	3.0	9.7	5.4	5.5	4.9
Quaker (Society of Friends)	0.1	0.0	0.0	0.0	0.4	0.5	0.0	0.3	0.1	0.0	1.0
Roman Catholic	32.6	29.1	36.0	34.6	32.8	28.4	73.2	15.3	44.7	46.9	29.3
Seventh Day Adventist	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
other Protestant	5.3	5.0	6.6	3.1	8.1	8.7	0.6	11.8	2.7	2.2	5.9
other religion	5.1	5.5	3.2	5.5	4.7	4.5	2.6	6.2	6.6	5.6	13.0
none	10.5	15.9	11.1	8.1	7.7	10.0	5.8	5.6	3.9	3.4	6.7
Religious Affiliation in 1990											
Baptist	17.8	11.2	15.2	25.5	15.0	19.5	1.1	16.8	12.1	11.5	16.8
Buddhist	0.6	1.3	0.0	0.4	0.1	0.0	0.0	0.4	0.6	0.6	0.0
Congregational (UCC)	1.1	0.7	0.0	1.3	1.4	2.2	0.6	0.8	2.3	2.6	0.0
Eastern Orthodox	0.4	0.3	1.4	0.4	0.4	0.4	0.5	0.3	0.3	0.3	0.0
Episcopal	3.3	5.3	6.9	0.9	3.7	4.4	1.6	4.0	2.7	2.2	6.2
Islamic	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0
Jewish	3.4	4.5	5.8	2.0	3.7	7.1	0.2	0.8	1.7	1.8	1.1
Latter Day Saints (Mormon)	0.2	0.1	0.0	0.4	0.1	0.0	0.0	0.3	0.0	0.0	0.0
Lutheran	6.2	7.0	2.7	6.5	6.1	1.8	3.1	14.5	7.3	7.6	5.3
Methodist	7.5	8.1	3.3	8.4	6.7	6.5	5.4	7.8	8.4	8.4	8.1
Presbyterian	5.6	5.2	11.7	4.5	5.8	4.8	5.5	7.6	5.5	5.6	4.7
Quaker (Society of Friends)	0.1	0.0	0.0	0.0	0.3	0.4	0.0	0.3	0.0	0.0	0.0
Roman Catholic	31.8	30.6	35.3	32.5	31.2	26.6	68.9	15.0	45.5	47.7	29.5
Seventh Day Adventist	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
other Protestant	6.3	7.0	1.7	3.8	10.2	10.5	0.6	15.7	2.5	1.8	7.8
other religion	3.9	4.3	5.1	2.8	4.5	5.4	2.3	4.6	6.1	5.6	9.8
none	11.6	14.3	10.8	10.4	10.5	10.3	10.1	11.0	5.0	4.2	10.6

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
Studying or Doing Homework											
none	0.3	0.0	0.4	0.4	0.5	0.2	0.0	1.1	0.9	1.0	0.0
less than one	4.9	6.5	2.9	3.9	4.8	5.8	5.4	3.0	6.3	6.4	5.1
1-2	14.7	11.7	8.5	17.1	16.3	19.6	16.7	11.2	17.0	16.0	24.1
3-5	32.3	31.3	34.5	37.2	26.0	25.1	27.2	26.4	29.3	28.4	35.4
6-10	26.2	27.9	24.5	27.7	22.9	23.0	20.7	24.1	31.4	33.3	18.8
11-15	11.6	12.4	14.3	7.0	16.1	12.8	19.5	19.1	10.9	10.8	11.5
16-20	5.9	6.1	9.1	3.6	7.8	7.2	7.3	8.9	2.9	3.0	2.1
more than 20	4.2	4.1	5.8	3.0	5.6	6.1	3.2	6.2	1.3	1.1	2.9
Socializing with Friends											
none	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.4	0.4	0.0
less than one	1.5	0.5	0.0	2.1	2.1	2.7	0.5	2.1	1.5	1.7	0.7
1-2	5.9	6.3	2.4	8.2	3.3	2.1	4.2	4.6	9.3	9.1	10.8
3-5	14.8	16.7	8.8	14.7	14.4	14.7	16.7	12.7	10.6	9.7	17.1
6-10	22.7	26.1	29.0	20.7	20.2	18.2	20.9	22.6	20.9	20.3	24.4
11-15	20.5	22.4	21.8	19.4	19.6	19.1	20.6	19.6	18.6	17.7	24.9
16-20	16.3	12.8	23.7	19.3	13.9	13.7	16.3	12.9	15.9	16.5	11.7
more than 20	18.3	15.3	14.3	15.5	26.4	29.5	20.9	25.1	22.8	24.7	10.4
Talking w/Teacher Outside Class											
none	5.6	7.8	2.8	4.5	5.4	7.2	4.2	3.2	9.0	9.9	3.0
less than one	33.0	32.5	34.9	36.4	28.3	24.4	32.8	31.5	26.3	25.1	34.6
1-2	36.5	37.5	35.3	37.5	34.3	34.9	37.8	31.2	36.8	36.9	35.9
3-5	16.5	13.7	18.8	15.4	20.2	21.8	16.1	20.4	18.9	19.1	17.3
6-10	6.2	6.4	2.9	5.2	8.4	9.2	7.0	8.0	5.5	5.5	5.6
11-15	1.4	1.3	5.3	0.6	1.6	2.1	1.1	1.2	1.2	0.9	3.6
16-20	0.4	0.7	0.0	0.2	0.4	0.3	0.6	0.3	1.6	1.9	0.0
more than 20	0.5	0.1	0.0	0.2	1.4	0.0	0.4	4.1	0.7	0.7	0.0
Exercising or Sports											
none	4.7	2.6	2.9	7.0	4.3	5.2	4.5	2.9	7.4	7.3	8.1
less than one	14.0	16.4	7.5	16.4	10.0	7.8	15.2	10.1	11.7	12.2	8.2
1-2	22.9	23.4	27.5	23.1	20.8	18.1	20.1	25.3	23.7	21.9	35.6
3-5	22.7	21.7	14.6	23.1	25.6	29.9	22.8	20.7	15.4	14.5	21.1
6-10	16.0	17.8	11.2	14.4	17.4	17.1	19.2	16.9	18.1	18.8	13.3
11-15	10.3	11.7	20.1	7.1	10.4	10.2	7.6	12.3	12.4	13.4	5.7
16-20	4.6	2.9	13.4	3.7	5.2	4.9	6.2	5.3	7.3	7.7	4.5
more than 20	4.7	3.3	2.8	5.1	6.2	6.7	4.4	6.5	4.0	4.1	3.5
Partying											
none	16.2	14.6	10.6	18.7	16.1	15.0	10.5	21.1	15.1	14.9	16.0
less than one	12.4	12.4	12.3	12.7	12.0	10.0	13.2	14.2	8.7	8.5	10.4
1-2	16.3	15.9	16.5	15.7	17.4	17.7	14.5	18.9	14.3	14.6	11.9
3-5	23.7	28.3	19.0	23.9	19.8	19.5	21.5	19.2	24.4	22.1	40.5
6-10	17.0	18.2	16.4	16.5	16.6	17.0	24.3	11.4	15.9	17.6	4.4
11-15	8.5	5.1	18.9	6.8	11.6	12.3	9.9	11.4	10.8	11.1	8.9
16-20	3.3	3.0	2.3	2.6	4.9	7.0	3.2	2.8	4.9	4.9	5.2
more than 20	2.6	2.5	4.0	3.2	1.7	1.6	2.9	1.1	5.9	6.4	2.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1988)											
Working (For Pay)											
none	26.8	24.0	42.3	22.5	31.4	35.0	25.4	29.6	22.3	21.2	29.8
less than one	3.2	3.5	0.8	4.4	1.8	1.1	2.2	2.5	1.9	2.0	0.9
1-2	2.7	3.1	3.3	2.6	2.2	2.2	3.5	1.3	2.6	2.6	2.7
3-5	6.2	6.1	11.2	5.4	6.0	4.7	7.1	7.2	6.2	6.0	7.2
6-10	11.7	10.8	11.7	12.2	12.1	13.3	8.3	12.5	13.2	12.2	20.2
11-15	13.3	15.2	8.8	12.9	12.9	13.7	13.2	11.4	14.6	15.7	7.2
16-20	18.6	20.8	11.6	19.6	16.9	14.7	20.9	17.7	16.4	16.4	16.8
more than 20	17.6	16.4	10.4	20.5	16.9	15.2	19.4	17.9	22.8	23.9	15.3
Volunteer Work											
none	52.4	48.6	40.5	58.4	51.9	51.7	55.6	50.1	57.3	57.7	54.5
less than one	13.6	15.0	11.6	13.8	12.2	9.5	12.0	16.3	18.1	18.8	13.5
1-2	19.0	19.5	29.1	17.9	17.2	18.3	18.3	14.7	11.4	10.5	17.3
3-5	8.7	10.4	12.4	5.3	10.5	12.2	8.7	9.0	7.8	7.9	6.9
6-10	3.1	3.2	2.4	2.1	4.6	5.0	3.6	4.7	4.5	5.1	0.9
11-15	1.4	2.3	0.7	0.6	1.8	0.7	0.6	4.3	0.3	0.0	2.2
16-20	0.4	0.7	0.3	0.0	0.9	1.2	0.9	0.3	0.0	0.0	0.0
more than 20	1.2	0.4	2.8	1.9	0.9	1.4	0.3	0.5	0.6	0.0	4.7
Student Clubs and Groups											
none	21.4	17.4	10.5	27.8	20.2	24.8	20.8	13.0	30.8	32.1	21.7
less than one	11.9	13.1	16.4	12.9	8.0	9.4	6.7	6.7	11.5	10.9	15.5
1-2	27.6	29.5	34.7	24.0	28.4	27.3	32.6	27.5	27.7	27.1	32.1
3-5	20.0	19.5	18.3	18.2	23.4	20.5	21.4	28.9	15.0	14.6	18.1
6-10	10.8	11.3	11.2	10.1	11.1	10.0	11.7	12.4	9.5	9.8	7.4
11-15	3.7	4.6	3.1	2.7	4.1	4.2	2.7	4.8	2.5	2.3	4.0
16-20	2.4	2.9	2.0	2.3	2.3	1.5	2.4	3.3	0.5	0.5	0.5
more than 20	2.2	1.7	3.7	2.1	2.5	2.3	1.6	3.5	2.5	2.7	0.8
Watching TV											
none	6.1	5.8	12.5	4.7	6.6	6.6	2.7	8.8	5.8	6.4	1.8
less than one	14.0	18.7	14.8	11.3	12.3	11.3	13.4	13.0	13.2	11.8	22.3
1-2	23.6	25.9	20.5	24.1	21.3	22.0	25.5	17.7	17.7	17.7	17.8
3-5	26.8	27.3	26.0	25.0	29.0	29.7	30.6	27.0	35.1	35.4	32.9
6-10	16.9	14.0	20.2	18.1	17.3	16.2	17.0	19.3	17.9	18.9	10.6
11-15	5.9	5.0	3.4	7.0	6.2	5.8	5.4	7.1	4.4	4.3	5.2
16-20	2.2	1.4	1.0	2.5	3.1	5.0	1.1	1.4	3.2	2.7	6.4
more than 20	4.5	1.8	1.6	7.3	4.3	3.3	4.4	5.7	2.8	2.7	3.1
Hobbies											
none	7.6	9.7	4.9	6.8	7.1	5.7	8.2	8.6	15.5	16.9	6.0
less than one	14.3	12.5	16.5	17.0	11.9	12.4	14.4	9.7	10.9	10.7	11.8
1-2	27.5	28.4	34.8	26.1	26.6	26.3	31.7	23.9	24.0	23.9	24.5
3-5	26.5	29.4	21.7	24.9	26.8	25.6	27.4	28.1	25.1	25.1	25.0
6-10	13.8	12.2	13.6	12.9	17.0	21.2	9.8	15.0	10.8	9.1	22.6
11-15	5.6	3.8	5.3	7.1	5.5	5.3	5.8	5.6	2.4	2.5	2.2
16-20	2.2	2.1	2.0	2.9	1.4	0.5	1.7	2.5	5.6	5.5	6.0
more than 20	2.5	2.0	1.2	2.3	3.7	2.9	0.9	6.6	5.7	6.3	1.9

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Classes or Labs											
none	0.9	0.9	1.0	1.0	0.7	0.8	0.3	0.6	1.2	1.1	2.2
less than one	0.2	0.3	0.0	0.3	0.1	0.3	0.0	0.0	0.0	0.0	0.0
1-2	3.1	2.5	2.9	4.6	1.5	1.6	0.9	1.7	5.0	5.6	0.9
3-5	7.0	5.1	8.6	8.3	6.9	7.8	6.4	6.0	8.7	9.1	5.8
6-10	11.2	8.6	8.4	10.3	15.7	17.2	14.9	14.1	16.4	17.5	9.0
11-15	33.3	36.4	41.8	30.9	30.9	30.7	27.2	33.3	21.5	21.1	23.9
16-20	30.6	33.5	29.9	28.2	31.1	27.0	35.4	34.5	26.8	24.4	43.6
more than 20	13.8	12.7	7.4	16.4	13.1	14.7	14.9	9.6	20.4	21.2	14.6
Studying or Homework											
none	0.2	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	1.4
less than one	0.5	0.1	0.7	1.0	0.1	0.2	0.0	0.0	1.7	1.6	2.2
1-2	4.0	2.1	5.1	5.7	3.3	4.0	3.2	2.2	7.9	8.8	1.8
3-5	19.1	17.5	17.4	20.3	19.5	23.4	12.0	18.5	18.8	18.0	23.9
6-10	29.5	31.2	19.4	31.0	28.6	27.9	33.9	26.5	30.5	28.2	47.0
11-15	21.9	19.4	32.3	24.3	18.6	18.3	20.2	18.1	22.8	24.2	13.2
16-20	13.8	17.3	14.0	10.3	14.6	13.2	11.7	18.3	12.9	14.1	4.3
more than 20	11.0	12.1	11.1	7.1	15.3	13.1	18.9	16.4	5.2	5.1	6.2
Socializing with Friends											
none	0.5	0.4	0.0	0.5	0.8	1.6	0.0	0.0	0.0	0.0	0.0
less than one	0.8	1.7	0.0	0.6	0.4	0.4	0.8	0.0	1.2	1.2	1.1
1-2	3.9	2.4	3.6	5.8	3.1	2.4	4.3	3.3	8.8	8.6	10.6
3-5	15.6	18.4	17.1	13.3	15.3	17.5	20.9	8.6	19.6	20.4	13.6
6-10	27.9	30.6	20.9	30.4	23.7	22.4	26.6	24.0	24.8	24.2	29.1
11-15	19.7	19.7	24.5	16.1	23.4	19.8	21.4	29.9	15.4	15.7	13.0
16-20	12.9	11.8	11.1	14.5	12.5	13.3	7.7	14.2	11.1	11.5	7.8
more than 20	18.6	14.9	22.7	18.9	20.9	22.5	18.4	20.1	19.2	18.4	24.7
Talking w/Faculty Outside Class											
none	10.8	16.4	7.4	10.0	6.8	9.0	3.7	5.6	10.2	10.9	5.1
less than one	43.8	48.6	52.1	43.7	36.4	34.9	35.7	39.0	36.7	38.5	23.4
1-2	32.1	26.8	36.7	30.3	39.0	36.9	44.5	38.7	31.4	30.2	40.1
3-5	10.9	5.8	2.8	13.7	14.7	15.4	14.9	13.6	17.5	16.9	22.0
6-10	1.8	2.1	1.0	1.5	2.2	2.2	0.7	3.0	2.8	2.5	5.1
11-15	0.2	0.3	0.0	0.3	0.2	0.3	0.2	0.0	0.7	0.3	3.0
16-20	0.2	0.0	0.0	0.1	0.7	1.3	0.4	0.0	0.2	0.0	1.4
more than 20	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.6	0.7	0.0
Exercising or Sports											
none	7.2	6.5	7.1	9.1	5.5	7.3	6.0	2.7	7.5	7.9	4.3
less than one	16.9	12.9	17.2	22.4	13.6	14.0	14.2	12.5	12.0	11.1	18.8
1-2	25.1	27.2	17.5	26.3	23.5	22.0	28.8	22.4	36.6	37.8	27.7
3-5	31.1	32.8	33.0	27.9	33.0	30.5	29.9	38.4	26.7	26.6	27.4
6-10	12.1	13.9	15.3	8.7	13.8	15.3	12.5	12.6	11.5	10.7	17.2
11-15	3.8	3.5	3.4	2.2	6.4	6.1	5.1	7.7	3.7	3.9	1.8
16-20	1.6	1.4	2.8	1.2	2.1	2.6	1.6	1.6	1.5	1.5	1.4
more than 20	2.2	1.7	3.6	2.2	2.1	2.2	1.9	2.2	0.5	0.4	1.4

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ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Reading for Pleasure											
none	21.6	22.4	15.5	21.7	22.1	18.1	23.7	27.0	23.9	23.9	23.4
less than one	32.0	31.9	47.7	29.6	31.1	26.9	34.7	34.9	19.0	18.1	24.9
1-2	26.2	27.6	16.0	27.6	25.7	28.0	23.0	24.0	31.6	31.9	30.1
3-5	12.4	10.9	15.3	10.6	15.5	19.9	14.9	9.5	16.2	15.9	18.2
6-10	4.2	3.0	3.7	6.4	2.9	3.3	2.1	2.9	7.3	7.9	3.4
11-15	1.5	1.6	0.5	2.1	0.9	1.3	0.5	0.5	1.7	1.9	0.0
16-20	1.3	1.6	1.3	1.4	0.9	1.6	1.1	0.0	0.0	0.0	0.0
more than 20	0.8	1.2	0.0	0.6	0.9	1.0	0.1	1.2	0.3	0.4	0.0
Using a Personal Computer											
none	22.8	24.2	15.2	27.0	17.8	16.0	20.7	18.8	20.0	19.4	24.0
less than one	21.6	22.6	36.3	23.3	14.3	10.4	16.8	18.3	21.8	22.4	17.1
1-2	20.9	23.3	11.0	20.0	22.4	23.8	22.8	20.2	25.1	25.5	22.6
3-5	20.4	17.4	21.5	18.0	26.5	28.9	22.7	25.2	16.1	15.9	17.3
6-10	9.4	8.2	12.5	7.1	13.0	13.2	13.4	12.5	7.0	7.6	2.9
11-15	2.5	1.2	2.3	2.5	3.8	4.8	1.8	3.7	5.4	4.9	9.5
16-20	1.3	1.7	1.2	1.1	1.4	2.0	0.5	0.9	1.2	0.4	6.6
more than 20	1.0	1.3	0.0	1.2	0.8	0.9	1.3	0.5	3.4	3.9	0.0
Partying											
none	13.4	10.9	8.9	14.9	15.2	13.5	9.7	20.9	15.8	15.3	19.3
less than one	12.2	12.9	5.4	14.9	9.8	8.9	10.9	10.4	9.8	10.1	6.9
1-2	17.7	17.8	18.7	18.0	16.7	16.7	19.7	15.0	15.1	14.2	21.5
3-5	28.4	30.1	23.9	27.9	28.5	30.5	26.2	27.0	24.8	24.3	28.0
6-10	17.5	16.0	34.4	13.7	19.6	18.7	25.8	17.2	19.2	20.2	11.8
11-15	6.0	5.8	5.0	6.4	6.0	7.1	3.6	5.8	9.2	9.0	10.6
16-20	3.2	4.2	2.4	3.2	2.3	1.8	3.6	2.1	2.8	3.2	0.0
more than 20	1.6	2.1	1.3	0.9	2.0	2.9	0.5	1.6	3.4	3.6	1.9
Working (For Pay)											
none	29.5	28.3	22.5	34.2	26.3	28.8	22.1	25.2	25.4	25.2	27.1
less than one	1.0	1.5	0.4	0.3	1.7	1.7	2.0	1.4	0.8	0.8	1.1
1-2	2.6	1.8	3.0	2.6	3.4	2.8	4.2	3.7	3.6	3.9	0.9
3-5	6.3	4.0	7.7	4.5	10.8	11.9	8.0	10.8	1.2	1.2	1.0
6-10	17.0	12.0	19.1	15.2	24.3	19.4	25.6	30.8	12.3	12.0	14.3
11-15	14.9	17.0	16.5	13.6	14.1	13.4	15.8	14.0	16.0	15.0	23.7
16-20	13.8	17.9	14.5	12.2	11.4	14.4	12.4	6.5	18.3	19.7	8.2
more than 20	14.8	17.6	16.4	17.3	8.0	7.5	9.9	7.5	22.4	22.2	23.7
Volunteer Work											
none	61.0	66.8	52.9	62.1	55.7	60.0	53.5	50.8	71.0	74.1	49.9
less than one	13.4	10.8	21.1	14.8	12.0	10.5	16.7	11.4	10.1	8.1	23.6
1-2	13.9	9.7	14.1	13.5	19.0	18.1	17.6	21.1	12.0	11.1	18.0
3-5	8.1	7.7	10.0	6.3	10.6	8.4	10.7	13.6	6.3	6.4	5.2
6-10	2.0	4.3	0.7	1.0	1.1	1.8	0.5	0.5	0.2	0.0	1.4
11-15	1.0	0.2	0.5	2.0	0.7	0.0	0.0	2.1	0.0	0.0	0.0
16-20	0.1	0.4	0.0	0.0	0.1	0.1	0.3	0.0	0.2	0.3	0.0
more than 20	0.4	0.1	0.6	0.4	0.8	1.0	0.7	0.5	0.2	0.0	1.9

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Student Clubs/Groups											
none	41.7	45.4	33.3	46.1	34.0	38.3	37.5	25.6	57.4	59.9	39.3
less than one	9.8	8.6	7.7	9.1	12.5	9.6	16.4	14.3	8.9	9.6	3.8
1-2	20.2	19.3	30.2	16.9	22.8	21.8	22.8	24.0	20.2	18.3	33.6
3-5	19.1	17.8	19.6	19.2	20.1	17.3	15.4	26.9	9.2	7.8	19.3
6-10	5.8	4.8	4.4	5.7	7.5	9.7	5.1	5.7	2.1	2.3	1.1
11-15	1.7	2.2	2.1	1.8	1.1	0.8	1.5	1.3	0.4	0.3	0.9
16-20	1.0	1.2	1.4	0.7	1.1	0.8	0.6	1.9	0.0	0.0	0.0
more than 20	0.7	0.6	1.3	0.5	1.0	1.7	0.7	0.3	1.8	1.7	2.0
Watching TV											
none	8.2	7.7	16.0	5.4	10.2	9.4	7.2	13.1	3.1	2.5	7.4
less than one	15.2	14.9	27.1	10.1	19.0	15.8	22.5	21.6	16.0	16.2	15.2
1-2	20.2	21.4	18.6	19.2	20.7	19.6	23.7	20.4	24.3	24.2	24.8
3-5	30.7	28.8	22.7	34.3	30.1	32.8	23.6	30.1	30.3	30.0	32.2
6-10	15.7	17.9	5.6	20.1	10.4	10.1	15.5	7.9	14.8	14.7	15.7
11-15	5.6	5.6	3.8	6.0	5.5	8.2	4.0	2.5	3.4	3.6	1.6
16-20	1.8	1.1	4.4	1.9	1.9	1.4	2.7	2.2	3.1	3.5	0.0
more than 20	2.6	2.6	1.7	3.1	2.2	2.7	1.0	2.2	5.0	5.3	3.0
Commuting to Campus											
none	54.5	46.6	53.8	53.0	65.2	61.4	62.1	72.7	26.9	22.8	56.2
less than one	10.8	13.5	22.6	7.9	8.7	7.1	7.4	11.8	12.6	13.5	6.2
1-2	14.3	17.2	7.1	17.0	9.5	12.3	10.4	4.8	17.6	18.7	9.8
3-5	12.1	13.4	7.4	13.6	10.1	9.4	15.8	7.7	22.4	22.7	20.5
6-10	5.7	6.7	8.7	5.4	4.3	6.6	2.6	1.8	16.2	17.6	6.5
11-15	1.0	1.7	0.4	0.7	0.9	1.2	1.1	0.4	0.8	0.9	0.0
16-20	0.7	0.4	0.0	1.1	0.7	1.5	0.0	0.0	2.5	2.9	0.0
more than 20	0.8	0.5	0.0	1.3	0.7	0.6	0.6	0.7	0.8	0.8	0.8
Religious Services or Meetings											
none	41.4	48.7	46.5	37.6	37.3	45.5	30.7	29.2	46.7	48.5	33.9
less than one	18.9	20.0	14.4	19.9	17.5	12.8	25.4	19.6	22.8	23.0	21.4
1-2	30.4	27.8	33.8	30.4	32.3	29.8	38.6	32.2	24.4	23.4	31.1
3-5	5.6	1.9	3.7	6.2	9.5	9.6	3.2	13.2	3.5	2.3	12.0
6-10	2.9	1.2	1.6	4.8	2.4	1.6	1.7	3.8	2.4	2.7	0.8
11-15	0.2	0.2	0.0	0.2	0.4	0.1	0.0	1.0	0.1	0.0	0.8
16-20	0.5	0.3	0.0	0.9	0.3	0.4	0.4	0.0	0.0	0.0	0.0
more than 20	0.1	0.0	0.0	0.0	0.4	0.2	0.0	1.0	0.0	0.0	0.0
Hobbies											
none	22.1	21.8	27.9	23.3	19.0	17.2	17.4	22.7	20.4	21.2	14.6
less than one	23.8	24.9	19.3	24.4	23.1	17.5	33.0	25.3	24.4	24.4	24.0
1-2	28.9	31.1	32.9	26.1	29.2	30.6	29.7	26.9	29.3	28.9	32.8
3-5	18.4	15.9	16.8	17.9	22.1	27.6	16.0	17.8	14.8	14.8	14.7
6-10	4.3	4.2	2.2	4.4	4.7	4.4	2.8	6.4	4.6	3.8	10.5
11-15	1.2	0.8	0.3	1.8	1.1	1.4	0.8	1.0	4.2	4.5	1.4
16-20	0.5	0.7	0.0	0.4	0.4	0.9	0.0	0.0	0.5	0.4	0.9
more than 20	0.9	0.6	0.6	1.7	0.2	0.3	0.3	0.0	1.8	1.9	1.1

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1988											
accountant or actuary	4.6	4.8	1.2	5.6	4.0	4.1	6.5	2.4	9.1	8.7	11.2
actor or entertainer	1.4	1.8	1.9	0.6	2.0	3.5	0.4	0.8	0.6	0.7	0.0
architect or urban planner	0.5	0.1	1.3	0.4	0.8	0.9	0.0	0.9	3.4	3.2	4.4
artist	2.2	1.8	0.2	1.5	4.1	8.2	0.3	0.6	1.1	0.0	8.2
business (clerical)	0.7	0.0	0.0	1.8	0.1	0.2	0.0	0.0	1.5	1.5	1.6
business executive (management)	10.5	9.4	17.4	9.7	10.9	13.7	9.0	8.0	9.9	9.0	15.9
business owner or proprietor	2.0	3.7	0.4	1.1	1.9	0.6	2.8	3.3	2.1	2.1	2.0
business salesperson or buyer	1.2	0.7	0.4	1.4	1.8	1.9	3.2	0.9	0.3	0.4	0.0
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.0	0.2	0.3	0.1	0.3	0.6	0.0	0.0	0.0
clinical psychologist	3.4	2.9	2.8	3.1	4.5	4.2	4.8	4.7	2.4	2.2	3.7
college teacher	0.4	0.5	0.2	0.2	0.5	0.9	0.2	0.2	0.0	0.0	0.0
computer programmer or analyst	2.0	1.1	0.4	2.9	2.3	1.6	0.7	4.2	2.0	1.2	7.3
conservationist or forester	0.2	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
dentist (including orthodontist)	0.5	1.1	0.8	0.0	0.5	0.3	0.4	0.8	0.0	0.0	0.0
dietitian or home economist	0.2	0.2	0.0	0.3	0.2	0.0	1.1	0.0	0.7	0.8	0.0
engineer	2.8	4.4	5.1	1.9	1.8	2.0	2.1	1.3	2.0	2.3	0.0
farmer or rancher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8
foreign service worker	1.2	0.5	6.9	0.4	1.2	0.7	1.0	2.0	1.0	1.1	0.0
homemaker (full-time)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0
interior decorator or designer	1.0	1.5	1.3	0.4	1.0	0.8	2.2	0.6	0.6	0.0	4.7
interpretor (translator)	0.7	0.5	1.0	0.8	0.4	0.8	0.2	0.0	0.0	0.0	0.0
lab technician or hygienist	0.6	1.0	0.0	0.6	0.4	0.2	0.9	0.6	0.0	0.0	0.0
law enforcement officer	0.4	0.0	0.5	0.8	0.1	0.0	0.6	0.0	0.3	0.3	0.0
lawyer (attorney) or judge	5.4	5.1	12.5	4.2	5.3	4.0	7.3	6.0	1.9	1.9	2.2
military service (career)	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0
musician (performer,composer)	0.6	0.8	2.3	0.3	0.3	0.1	0.0	0.6	0.0	0.0	0.0
nurse	2.8	3.0	0.8	3.5	2.2	1.1	2.8	3.6	5.6	6.4	0.0
optometrist	0.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pharmacist	1.4	1.3	1.2	1.9	0.7	0.6	0.5	0.8	0.3	0.0	2.2
physician	5.0	8.2	8.1	2.0	4.7	7.8	3.2	1.2	2.8	2.7	2.9
school counselor	0.6	0.7	0.0	0.5	0.9	0.9	1.0	1.0	0.3	0.3	0.0
school principal/superintendent	0.2	0.0	0.0	0.3	0.2	0.2	0.4	0.0	0.0	0.0	0.0
scientific researcher	1.8	2.4	1.8	1.2	2.1	1.6	3.7	1.8	0.8	1.0	0.0
social,welfare,recreation worker	4.2	1.4	0.0	8.0	3.2	3.1	3.2	3.2	1.4	1.4	1.2
statistician	0.1	0.0	0.0	0.0	0.3	0.1	0.2	0.5	0.5	0.4	1.0
therapist (phys,occup,speech)	2.8	2.8	3.1	2.9	2.5	1.8	2.6	3.5	2.6	2.8	1.8
teacher (elementary)	8.8	5.1	1.0	13.5	8.5	7.5	7.1	10.6	9.6	9.6	9.7
teacher (secondary)	4.2	3.4	1.0	5.4	4.3	1.9	3.6	8.0	4.1	4.2	3.2
veterinarian	0.9	2.0	0.7	0.3	0.3	0.6	0.2	0.0	2.3	2.4	1.5
writer or journalist	4.7	7.9	2.9	3.4	3.5	2.4	6.3	3.5	1.8	2.0	0.9
skilled trades	0.3	0.0	0.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other	6.3	5.1	7.3	5.9	7.7	10.3	5.6	5.2	18.1	19.9	5.8
undecided	13.2	14.0	15.0	11.4	14.1	10.9	15.4	17.8	10.9	11.3	7.7

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
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FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1990											
accountant or actuary	5.8	5.0	11.8	6.2	4.3	3.6	7.9	3.0	6.3	5.8	9.4
actor or entertainer	1.1	0.9	3.2	1.2	0.5	0.9	0.0	0.4	0.0	0.0	0.0
architect or urban planner	0.2	0.1	0.9	0.1	0.3	0.5	0.0	0.0	0.9	0.9	0.8
artist	1.9	1.6	0.4	2.2	2.4	4.2	0.3	0.9	0.9	0.4	4.7
business (clerical)	0.8	0.0	0.0	1.7	0.7	0.7	0.4	0.9	4.0	3.0	10.3
business executive (management)	9.9	8.9	14.2	9.2	10.7	12.4	11.5	7.4	10.2	10.6	7.5
business owner or proprietor	1.3	1.6	0.3	0.4	2.5	3.5	1.7	1.6	1.2	1.4	0.0
business salesperson or buyer	1.1	1.0	0.8	1.3	1.0	0.2	3.3	0.8	0.5	0.6	0.0
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
clergy (other religious)	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
clinical psychologist	3.6	2.5	3.4	3.3	5.2	4.8	1.9	7.9	1.8	1.4	4.7
college teacher	1.0	1.0	1.6	0.5	1.6	1.9	0.3	1.9	0.4	0.5	0.0
computer programmer or analyst	2.4	1.2	0.4	3.7	2.6	2.3	0.3	4.6	4.8	4.5	6.8
conservationist or forester	0.5	0.5	0.4	0.1	1.0	0.9	1.2	0.9	0.8	0.9	0.0
dentist (including orthodontist)	0.1	0.0	0.0	0.0	0.4	0.1	0.0	0.9	0.0	0.0	0.0
dietitian or home economist	0.5	0.4	0.0	0.6	0.6	0.5	0.2	0.9	1.3	1.5	0.0
engineer	2.0	3.3	1.8	1.6	1.1	1.1	1.2	1.1	3.5	3.8	1.8
farmer or rancher	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0
foreign service worker	1.0	0.7	4.9	0.3	1.1	1.4	0.4	1.2	0.5	0.6	0.0
homemaker (full-time)	0.4	0.4	0.0	0.1	1.0	1.5	0.0	0.7	0.1	0.0	0.8
interior decorator or designer	0.6	1.0	0.0	0.0	1.1	1.2	1.4	0.7	0.2	0.0	1.9
interpretor (translator)	0.2	0.2	0.2	0.1	0.4	0.6	0.3	0.0	0.0	0.0	0.0
lab technician or hygienist	1.4	0.7	0.0	3.3	0.1	0.0	0.6	0.0	0.4	0.4	0.0
law enforcement officer	0.7	0.4	0.0	1.2	0.5	0.5	0.5	0.7	2.8	2.9	2.0
lawyer (attorney) or judge	4.1	4.1	10.6	2.1	4.9	5.6	5.6	3.5	3.3	3.2	4.1
military service (career)	0.3	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
musician (performer,composer)	0.6	0.9	1.8	0.3	0.4	0.2	0.0	0.9	0.0	0.0	0.0
nurse	6.8	8.4	1.4	8.9	3.9	2.0	4.8	6.1	7.8	8.6	2.3
optometrist	0.1	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pharmacist	1.0	0.8	0.4	1.4	0.7	0.9	0.5	0.5	0.3	0.0	2.0
physician	3.3	5.5	1.9	1.1	4.4	6.3	5.6	0.7	1.7	1.3	4.5
school counselor	0.8	0.4	3.3	0.7	0.7	0.1	1.0	1.3	0.3	0.3	0.9
school principal/superintendent	0.2	0.2	0.0	0.2	0.2	0.0	0.0	0.5	0.0	0.0	0.0
scientific researcher	1.7	2.5	1.8	0.8	1.9	2.5	1.5	1.2	0.3	0.3	0.7
social,welfare,recreation worker	3.8	2.4	0.6	4.4	5.6	6.0	6.1	4.7	1.2	1.2	1.8
statistician	0.2	0.3	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	3.1	4.2	5.5	2.5	1.9	1.2	4.1	1.5	1.4	1.3	2.1
teacher (elementary)	11.0	8.1	1.8	15.4	11.2	7.6	11.4	16.4	18.2	19.3	10.5
teacher (secondary)	5.0	4.3	2.5	6.4	4.5	2.9	2.6	8.3	3.4	3.2	4.8
veterinarian	0.4	0.5	0.0	0.5	0.3	0.3	0.5	0.0	1.9	2.1	0.0
writer or journalist	3.6	5.4	5.4	2.8	2.3	2.1	2.8	2.3	1.5	1.5	1.9
skilled trades	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.8	0.0
other	11.3	13.0	6.5	10.9	11.3	12.7	11.2	9.1	11.6	11.8	10.2
undecided	6.0	6.3	11.5	3.9	6.7	6.5	8.7	5.9	5.7	6.1	3.4

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1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988											
ARTS AND HUMANITIES											
art, fine and applied	2.9	3.1	0.6	2.2	4.4	8.2	0.5	1.4	1.0	0.4	4.8
English (language & literature)	1.7	0.5	2.9	0.9	3.8	2.9	3.6	5.3	0.4	0.4	1.1
history	1.0	0.5	2.0	0.5	2.0	2.9	1.1	1.3	0.2	0.2	0.0
journalism	3.1	5.1	4.3	2.2	1.8	2.6	2.0	0.5	1.5	1.3	2.8
language/literature (except Eng)	1.2	0.9	1.3	0.9	1.9	2.1	1.2	1.9	0.4	0.5	0.0
music	0.6	0.8	0.6	0.5	0.4	0.0	0.2	1.0	0.3	0.0	2.2
philosophy	0.1	0.1	0.0	0.0	0.1	0.0	0.3	0.3	0.0	0.0	0.0
speech	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8
theater or drama	1.1	0.9	1.7	1.0	1.1	1.6	0.5	0.8	0.0	0.0	0.0
theology or religion	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.3	0.0	0.0	0.0
other arts and humanities	0.9	1.3	1.2	0.0	1.8	2.7	1.3	0.8	2.1	2.0	2.6
BIOLOGICAL SCIENCES											
biology (general)	2.3	1.7	1.7	2.1	3.5	3.4	2.6	4.2	0.6	0.7	0.0
biochemistry or biophysics	0.8	1.1	1.3	0.5	0.5	0.8	0.6	0.0	0.3	0.3	0.0
botany	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.6	0.4	1.2	0.8	0.3	0.0	1.0	0.3	0.0	0.0	0.0
microbiology or bacteriology	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0
zoology	0.5	1.1	0.0	0.2	0.4	0.9	0.0	0.0	0.5	0.4	0.6
other biological science	0.6	0.6	0.2	0.5	1.0	0.3	3.2	0.6	0.0	0.0	0.0
BUSINESS											
accounting	5.0	4.3	2.6	6.8	4.0	4.2	6.6	2.4	7.5	7.1	10.2
business admin (general)	6.9	6.4	13.5	6.1	6.9	7.4	6.9	6.2	8.6	9.3	3.6
finance	0.9	1.0	0.5	0.7	1.0	1.2	1.2	0.5	0.2	0.0	1.2
marketing	2.6	3.0	3.9	2.0	2.5	2.5	3.8	1.7	2.5	2.4	3.8
management	2.4	2.9	0.8	2.4	2.4	1.7	1.1	4.1	2.7	2.3	5.8
secretarial studies	0.4	0.0	0.0	0.9	0.2	0.2	0.3	0.0	3.7	3.3	6.3
other business	1.9	1.4	2.8	2.7	1.0	1.2	1.2	0.6	3.5	4.0	0.0
EDUCATION											
business education	0.2	0.0	0.0	0.3	0.2	0.2	0.0	0.2	0.4	0.3	1.4
elementary education	7.4	4.4	0.5	11.5	7.2	6.1	6.4	9.1	7.7	8.0	5.9
music or art education	0.9	0.7	1.9	0.9	0.6	0.5	0.2	0.9	0.1	0.0	1.1
physical education or recreation	0.5	0.4	0.0	0.5	0.8	0.3	0.0	1.9	1.1	1.2	0.0
secondary education	2.4	1.6	0.6	3.4	2.4	1.2	1.6	4.4	1.8	1.9	1.6
special education	1.4	1.5	0.0	2.0	1.0	0.7	1.2	1.3	1.4	1.6	0.0
other education	0.5	0.3	0.2	0.8	0.3	0.5	0.3	0.0	2.8	2.8	2.6
ENGINEERING											
aeronautical/astronautical eng	0.1	0.2	0.2	0.1	0.1	0.2	0.3	0.0	0.3	0.3	0.0
civil engineering	0.3	0.6	0.9	0.1	0.1	0.2	0.0	0.0	0.4	0.5	0.0
chemical engineering	1.2	1.5	2.5	1.3	0.2	0.2	0.0	0.2	0.0	0.0	0.0
electrical engineering	0.2	0.5	0.7	0.0	0.1	0.2	0.3	0.0	1.7	2.0	0.0
industrial engineering	0.2	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
mechanical engineering	0.4	0.6	0.2	0.1	0.6	0.5	0.7	0.6	0.0	0.0	0.0
other engineering	0.9	1.8	1.6	0.3	0.6	1.1	0.0	0.4	2.1	2.4	0.0

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1988 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.8	1.3	0.4	0.3	1.0	0.5	1.3	1.5	0.5	0.5	0.0
earth science	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
marine science	0.2	0.2	0.0	0.1	0.2	0.3	0.4	0.0	0.3	0.4	0.0
mathematics	0.7	1.0	0.9	0.4	0.7	0.6	1.2	0.6	0.7	0.7	0.9
physics	0.1	0.1	0.4	0.0	0.3	0.2	0.4	0.3	0.0	0.0	0.0
statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical science	0.1	0.2	0.0	0.1	0.1	0.3	0.0	0.0	0.2	0.2	0.0
PROFESSIONAL											
architecture or urban planning	0.4	0.1	1.0	0.4	0.5	0.4	0.0	0.9	1.4	1.0	4.0
home economics	0.6	0.7	0.6	0.8	0.2	0.0	0.8	0.0	0.6	0.4	2.0
health technology (med,dent,lab)	1.3	2.0	4.0	0.8	0.4	0.0	0.9	0.7	1.8	1.8	1.8
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	2.9	3.0	0.7	3.7	2.2	1.1	2.7	3.5	5.1	5.5	2.2
pharmacy	1.1	1.2	1.2	1.6	0.3	0.3	0.2	0.5	0.3	0.0	2.0
predent,premed,prevet	3.6	6.5	4.1	1.3	3.4	5.5	3.5	0.5	3.5	3.5	3.4
therapy (occup,phys,speech)	2.6	3.0	2.6	3.3	1.4	1.1	2.4	1.2	2.2	2.1	2.7
other professional	1.1	0.2	1.8	2.0	0.8	0.4	2.4	0.3	1.4	1.4	2.0
SOCIAL SCIENCES											
anthropology	0.4	0.1	0.2	0.7	0.4	0.5	1.0	0.0	0.1	0.0	0.8
economics	0.5	0.9	0.2	0.0	0.7	1.4	0.0	0.3	0.0	0.0	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	3.7	3.5	9.4	2.1	4.4	4.1	2.9	5.6	0.9	0.9	0.5
psychology	6.5	6.3	3.8	6.4	7.6	8.0	7.3	7.4	2.6	2.4	4.2
social work	3.0	0.5	0.0	6.1	2.3	2.8	2.4	1.7	0.3	0.3	0.8
sociology	0.3	0.2	0.5	0.1	0.8	0.6	0.4	1.2	0.0	0.0	0.4
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social science	0.2	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0
TECHNICAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
data processing or computer prog	0.8	0.2	0.0	1.9	0.0	0.0	0.0	0.0	2.0	2.3	0.0
drafting or design	0.1	0.0	0.2	0.0	0.4	0.0	1.1	0.6	0.0	0.0	0.0
electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
OTHER											
agriculture	0.3	0.7	0.0	0.1	0.0	0.0	0.0	0.0	2.3	2.6	0.7
communications (radio,TV,etc.)	3.9	5.7	2.6	2.2	4.6	5.6	6.7	2.1	5.8	6.6	0.0
computer science	0.9	0.6	0.4	0.7	1.6	0.5	0.4	3.8	2.9	2.4	6.6
forestry	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
law enforcement	0.6	0.0	1.2	0.8	0.9	0.3	1.4	1.5	1.1	1.2	0.0
military science	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0
other field	0.4	0.3	0.6	0.3	0.8	1.2	0.3	0.6	0.7	0.7	1.1
undecided	8.4	8.4	10.2	8.1	8.3	5.4	9.5	11.5	6.8	7.0	5.6

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990											
ARTS AND HUMANITIES											
art, fine and applied	3.5	3.2	1.0	2.6	5.9	8.6	4.5	2.8	3.0	2.4	7.1
English (language & literature)	3.9	4.2	6.0	2.4	4.9	4.1	6.2	5.1	1.4	1.6	0.0
history	2.1	1.4	3.8	1.6	3.3	3.7	1.4	3.7	0.6	0.0	5.0
journalism	2.1	3.5	2.2	2.0	0.6	0.5	1.1	0.3	0.8	0.5	2.9
language/literature (except Eng)	1.6	2.2	1.7	0.6	2.2	2.4	1.5	2.5	0.0	0.0	0.0
music	0.8	1.1	2.8	0.5	0.5	0.4	0.0	0.8	0.1	0.0	0.9
philosophy	0.2	0.2	0.0	0.1	0.4	0.7	0.2	0.3	0.0	0.0	0.0
speech	0.4	0.1	0.7	0.5	0.5	0.2	0.6	0.9	0.3	0.4	0.0
theater or drama	0.7	0.5	2.3	0.6	0.8	0.9	0.2	1.0	0.0	0.0	0.0
theology or religion	0.1	0.0	0.9	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0
other arts and humanities	1.2	0.6	5.2	0.9	0.9	1.3	0.9	0.4	1.0	0.3	5.5
BIOLOGICAL SCIENCES											
biology (general)	3.0	3.3	1.7	1.9	4.4	5.1	4.7	3.1	0.0	0.0	0.0
biochemistry or biophysics	0.4	1.1	0.0	0.0	0.5	0.4	0.1	0.7	0.0	0.0	0.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
microbiology or bacteriology	0.3	0.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
zoology	0.2	0.2	0.0	0.2	0.2	0.2	0.4	0.0	0.0	0.0	0.0
other biological science	0.6	0.7	0.0	0.4	1.0	1.8	0.2	0.2	0.4	0.5	0.0
BUSINESS											
accounting	5.5	4.4	12.4	6.0	4.3	4.1	6.3	3.4	6.1	5.8	8.5
business admin (general)	4.5	3.3	1.8	5.2	5.8	6.0	6.6	4.8	6.1	6.7	1.7
finance	0.8	1.0	0.7	0.6	0.8	0.8	1.4	0.5	1.2	1.4	0.0
marketing	2.3	2.2	5.5	2.5	1.4	1.1	2.6	1.3	1.0	0.7	3.0
management	3.1	2.1	0.3	5.4	1.9	1.3	4.1	1.4	3.4	3.3	3.8
secretarial studies	0.7	0.0	0.0	1.9	0.0	0.0	0.0	0.0	4.3	4.1	6.0
other business	1.3	1.0	0.3	2.4	0.7	0.3	2.2	0.2	1.9	2.0	0.8
EDUCATION											
business education	0.1	0.0	0.0	0.2	0.2	0.2	0.0	0.2	0.0	0.0	0.0
elementary education	8.7	6.6	5.0	12.3	7.4	5.5	8.5	9.4	14.8	16.3	4.4
music or art education	0.7	0.3	0.2	1.3	0.6	0.5	0.7	0.7	0.8	0.5	2.5
physical education or recreation	0.3	0.2	0.0	0.2	0.5	0.3	0.3	1.0	1.0	1.2	0.0
secondary education	2.6	1.9	0.4	4.2	1.8	1.1	0.4	3.8	1.2	1.3	0.7
special education	1.3	0.9	0.3	2.0	1.1	0.7	1.3	1.6	1.2	1.1	2.2
other education	0.5	0.2	0.3	1.0	0.1	0.0	0.0	0.4	1.1	0.8	3.2
ENGINEERING											
aeronautical/astronautical eng	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
civil engineering	0.2	0.6	0.0	0.0	0.3	0.2	0.0	0.6	0.3	0.3	0.0
chemical engineering	0.7	1.2	0.5	0.8	0.1	0.2	0.0	0.0	0.5	0.6	0.0
electrical engineering	0.2	0.4	0.5	0.0	0.1	0.2	0.3	0.0	1.1	1.2	0.0
industrial engineering	0.3	0.8	0.9	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
mechanical engineering	0.5	1.2	0.2	0.2	0.3	0.3	0.7	0.0	0.0	0.0	0.0
other engineering	0.3	0.2	2.6	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.8

1990 FOLLOW-UP OF FALL 1988 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.7	1.3	0.8	0.2	0.7	0.7	1.0	0.4	0.0	0.0	0.0
earth science	0.1	0.0	0.5	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0
marine science	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.2	1.5	1.0	1.3	0.8	0.7	1.8	0.3	0.4	0.3	0.9
physics	0.2	0.0	0.2	0.2	0.3	0.2	0.6	0.4	0.0	0.0	0.0
statistics	0.1	0.3	0.2	0.0	0.1	0.0	0.2	0.3	0.0	0.0	0.0
other physical science	0.3	0.3	0.0	0.1	0.7	0.2	0.0	1.8	0.0	0.0	0.0
PROFESSIONAL											
architecture or urban planning	0.2	0.1	1.3	0.0	0.2	0.5	0.0	0.0	1.0	0.9	1.8
home economics	0.9	0.8	0.4	1.5	0.3	0.5	0.5	0.0	0.4	0.4	0.0
health technology (med,dent,lab)	1.2	1.7	0.0	1.3	0.6	0.3	0.3	1.2	0.9	1.1	0.0
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	5.2	5.0	1.3	8.0	2.8	1.6	3.6	4.0	6.4	6.9	2.3
pharmacy	0.9	1.0	0.4	1.2	0.5	0.6	0.5	0.3	0.3	0.0	2.0
predent,premed,prevet	1.1	2.1	1.0	0.1	1.4	1.3	3.2	0.5	1.8	1.8	1.7
therapy (occup,phys,speech)	2.0	3.2	3.6	1.8	0.7	0.7	1.6	0.2	1.3	1.3	1.1
other professional	1.1	1.0	0.9	1.4	0.9	1.5	1.1	0.0	3.3	3.3	3.4
SOCIAL SCIENCES											
anthropology	0.6	0.5	1.7	0.7	0.1	0.3	0.0	0.0	0.2	0.2	0.0
economics	0.9	1.3	2.8	0.0	1.2	1.6	1.4	0.5	0.5	0.5	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
geography	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.4	0.0	0.0	0.0
political science	3.9	3.8	8.1	2.6	4.6	5.0	4.0	4.4	1.1	1.0	1.6
psychology	7.1	7.4	4.7	5.8	9.0	8.2	7.4	11.2	3.8	2.9	9.8
social work	2.3	1.1	0.3	3.0	3.4	3.8	3.2	2.8	0.6	0.5	0.8
sociology	1.5	1.8	0.7	0.8	2.3	1.0	3.3	3.6	2.2	2.5	0.0
women's studies	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0
other social science	0.5	0.7	0.9	0.0	1.0	1.3	0.2	0.9	0.8	0.9	0.0
TECHNICAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
data processing or computer prog	0.9	0.6	0.0	0.7	1.8	0.1	0.3	5.2	3.7	4.2	0.0
drafting or design	0.1	0.0	0.2	0.0	0.2	0.1	0.6	0.0	0.0	0.0	0.0
electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.4	0.0	0.0	1.1	0.1	0.1	0.0	0.0	3.0	3.5	0.0
OTHER											
agriculture	0.4	1.1	0.0	0.1	0.1	0.3	0.0	0.0	3.2	3.6	0.0
communications (radio,TV,etc.)	5.3	6.8	4.8	3.0	7.1	9.8	3.8	5.1	1.5	1.8	0.0
computer science	0.6	0.5	0.4	0.8	0.6	0.6	0.0	0.9	2.0	1.3	6.8
forestry	0.2	0.3	0.0	0.1	0.2	0.0	0.0	0.7	0.4	0.4	0.0
law enforcement	0.7	0.4	1.3	1.1	0.5	0.6	0.5	0.4	3.5	3.7	2.0
military science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other field	1.7	2.4	1.3	0.3	2.9	3.8	2.2	1.9	2.5	2.1	5.3
undecided	1.1	1.2	1.2	1.3	0.7	1.0	0.7	0.3	1.0	1.0	1.5

National Normative Data
for
1986 Freshmen

Four Years After College Entry

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	Universities		Four-year Colleges					Two-year Colleges		
	All 4-yr	Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1986	97.4	99.2	98.6	95.2	97.9	97.8	97.9	98.2	91.4	90.7	96.6
1985	1.1	0.4	1.1	1.5	1.4	1.7	1.7	0.9	3.4	3.5	1.9
1984	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.0	0.4	0.3	0.9
1983 or earlier	1.1	0.1	0.0	2.9	0.2	0.2	0.0	0.3	2.7	2.9	0.6
H.S. equivalency (GED test)	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.4	2.0	2.3	0.0
never completed high school	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
Age on December 31, 1990											
20 or younger	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	2.7	2.9	4.7	2.0	2.7	3.1	3.5	1.7	3.7	3.9	2.2
22	78.4	81.7	80.3	75.6	77.7	80.0	72.7	76.9	73.6	74.6	65.3
23	16.7	14.1	14.5	18.0	18.5	15.9	22.8	20.2	15.4	13.7	29.5
24	1.1	1.2	0.2	1.4	0.8	0.9	0.6	0.8	2.2	2.2	1.8
25-28	0.2	0.1	0.3	0.2	0.1	0.2	0.3	0.0	2.3	2.5	1.2
29-33	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.3	1.3	1.5	0.0
34-43	0.8	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.9	1.0	0.0
44-58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
59 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	86.0	91.5	89.3	80.1	86.5	82.5	87.8	92.2	92.6	93.1	89.0
Black/Negro/Afro-American	9.1	3.5	3.9	15.0	9.7	15.0	4.7	4.2	2.8	1.9	10.5
American Indian	0.6	0.8	0.4	0.4	0.9	0.5	0.4	1.9	0.0	0.0	0.0
Asian-American/Oriental	2.8	4.1	3.5	2.2	2.0	1.7	4.3	1.1	0.9	0.9	0.5
Mexican-American/Chicano	1.6	1.2	1.6	2.6	0.8	0.4	2.2	0.6	0.0	0.0	0.0
Puerto Rican-American	0.3	0.2	1.0	0.3	0.3	0.4	0.0	0.1	2.0	2.3	0.0
other	0.8	0.8	1.8	0.3	1.1	0.7	2.3	1.0	3.6	4.1	0.0
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	95.2	95.5	98.1	93.8	95.5	97.8	94.2	92.7	95.5	96.3	89.1
mathematics (3 years)	93.7	93.0	97.2	94.0	92.8	93.7	94.1	90.6	85.0	85.8	79.3
foreign language (2 years)	79.4	85.0	92.2	72.6	77.9	78.0	86.3	72.9	68.5	70.1	55.6
physical science (2 years)	56.3	61.0	68.8	50.4	54.7	56.5	52.0	53.6	52.7	54.8	35.3
biological science (2 years)	36.5	38.8	33.5	34.1	38.0	36.5	36.1	41.4	30.0	28.2	44.6
history/American govt (1 year)	99.2	98.2	99.9	99.7	99.4	99.5	100.0	98.9	97.8	97.6	100.0
computer science (1/2 year)	65.4	70.0	65.6	63.7	62.5	59.8	68.9	63.0	60.5	60.7	58.7
art or music (1 year)	60.5	60.5	64.7	57.6	62.7	64.5	62.9	59.9	60.8	60.2	65.8
Took Credit Courses at Freshman College Before Enrollment											
no	97.6	98.6	97.8	96.6	97.5	97.3	95.9	98.8	97.2	97.4	95.5
yes	2.4	1.4	2.2	3.4	2.5	2.7	4.1	1.2	2.8	2.6	4.5
Status of Parents in 1986											
together	75.6	74.0	85.5	76.0	73.6	70.0	80.7	75.3	73.7	73.0	79.9
divorced or separated	18.7	19.8	10.9	18.4	20.3	24.3	13.7	17.6	20.2	20.3	19.5
one or both deceased	5.7	6.2	3.6	5.6	6.1	5.7	5.5	7.1	6.0	6.7	0.6

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	14.0	16.7	27.5	10.6	11.1	10.2	8.6	14.0	3.9	3.8	4.6
A-	14.8	17.1	25.9	11.1	13.5	12.0	14.3	15.3	8.2	8.5	6.2
B+	19.3	19.4	22.5	18.8	18.9	18.9	22.6	16.6	15.4	14.8	19.6
B	22.9	20.6	17.4	25.3	24.0	23.2	27.6	23.1	30.4	31.9	18.2
B-	10.8	11.1	4.2	11.3	12.1	11.5	14.6	11.9	17.8	18.2	14.9
C+	10.6	9.6	2.1	12.2	12.3	10.7	10.0	16.1	16.7	16.5	17.9
C	7.2	5.2	0.5	10.0	8.1	13.4	2.1	3.0	6.5	5.1	17.9
D	0.3	0.3	0.0	0.6	0.1	0.0	0.3	0.0	1.2	1.2	0.7
Average Undergraduate Grade											
A	5.6	5.8	9.4	4.1	6.0	4.7	7.9	7.0	2.8	2.8	2.8
B+,A-	27.5	27.0	36.8	25.9	27.1	27.4	25.8	27.4	19.9	20.0	19.6
B	34.2	33.7	38.8	32.0	35.9	36.1	35.8	35.7	36.4	35.8	40.4
C+,B-	23.4	22.3	11.2	27.8	22.9	21.9	23.5	24.1	25.1	25.5	21.7
C	7.5	9.4	2.8	7.8	6.4	8.0	5.2	4.5	14.5	14.5	14.1
C- or less	1.9	1.7	1.0	2.4	1.6	1.8	1.8	1.2	1.4	1.4	1.4
Degree Aspirations in 1986											
none	1.4	1.1	1.0	1.2	2.1	1.7	2.5	2.3	4.6	5.0	2.2
vocational certificate	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	1.0	1.2	0.0
associate (AA or equivalent)	0.3	0.1	0.0	0.2	0.7	0.6	1.1	0.5	9.5	9.4	10.4
bachelor's (BA, BS, etc)	32.0	32.3	17.6	36.6	30.7	29.4	29.4	33.6	50.3	51.6	41.3
master's (MA, MS)	39.0	43.2	37.5	37.3	36.8	38.0	39.0	33.6	25.8	24.7	33.3
PhD or EdD	12.3	11.3	18.0	10.9	13.1	14.7	10.7	12.0	3.4	3.4	3.4
MD, DO, DDS, DVM	7.3	8.1	13.2	4.5	8.0	7.0	8.4	9.4	2.4	2.4	2.3
LLB or JD (law)	5.2	3.2	10.6	5.0	6.0	6.6	5.6	5.3	1.8	1.8	1.7
BD or MDiv (divinity)	0.4	0.2	0.9	0.4	0.4	0.4	0.0	0.4	0.2	0.3	0.0
other	2.1	0.7	1.2	3.7	2.2	1.4	3.3	2.7	0.7	0.0	5.5
Highest Degree Earned by 1990											
none	42.7	52.7	26.2	50.8	26.7	28.8	19.0	28.1	33.8	35.0	24.8
vocational certificate	0.9	1.0	0.1	1.0	0.9	0.2	1.4	1.7	2.3	2.5	0.6
associate (AA or equivalent)	5.5	3.3	2.3	7.2	6.8	6.0	9.4	6.4	38.2	36.3	53.4
bachelor's (BA, BS, etc)	49.8	41.1	71.2	40.0	64.7	64.1	69.4	62.8	25.1	25.6	21.3
master's (MA, MS)	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.3	0.0	0.0	0.0
PhD or EdD	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MD, DO, DDS, DVM	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
LLB or JD (law)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BD or MDiv (divinity)	0.1	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0
other	0.7	1.3	0.0	0.6	0.5	0.6	0.3	0.6	0.6	0.7	0.0
Degree Aspirations in 1990											
none	1.7	1.7	0.5	1.8	1.8	2.2	1.6	1.3	3.8	4.0	2.1
vocational certificate	0.2	0.3	0.3	0.1	0.2	0.2	0.0	0.4	1.3	1.5	0.1
associate (AA or equivalent)	1.5	0.7	0.0	1.9	2.2	2.7	0.3	2.6	8.2	8.6	5.0
bachelor's (BA, BS, etc)	29.8	33.5	19.3	33.8	23.4	23.6	19.9	25.1	41.6	41.3	44.3
master's (MA, MS)	42.4	41.6	41.0	43.9	41.9	38.6	44.8	45.1	32.6	31.8	38.7
PhD or EdD	12.7	10.6	17.7	10.0	17.1	17.2	19.0	16.0	4.4	4.4	4.7
MD, DO, DDS, DVM	3.4	4.0	6.7	1.5	4.0	4.9	4.2	2.6	1.1	1.0	1.6
LLB or JD (law)	6.5	6.5	12.3	5.4	6.3	7.0	8.0	4.5	4.1	4.3	2.9
BD or MDiv (divinity)	0.4	0.6	0.6	0.1	0.6	0.5	0.6	0.7	0.0	0.0	0.0
other	1.4	0.5	1.6	1.4	2.5	3.2	1.7	1.8	2.8	3.1	0.5

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Freshman College Was Student's											
first choice	72.4	77.8	73.8	67.1	72.7	69.4	72.3	78.2	72.8	73.3	68.6
second choice	21.2	15.1	19.7	27.3	20.5	22.9	20.4	16.9	20.5	20.3	22.5
third choice	4.3	4.8	5.1	3.7	4.2	4.8	4.7	2.9	5.1	4.9	6.9
less than third choice	2.2	2.3	1.5	1.9	2.6	2.9	2.7	2.0	1.6	1.6	1.9
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	61.1	57.7	63.6	61.8	63.4	61.9	63.2	65.6	68.7	68.1	73.6
humanities courses	71.3	70.2	80.4	66.7	75.2	71.8	78.5	78.7	72.6	72.9	70.7
social science courses	69.9	68.4	78.6	69.2	69.6	66.0	75.3	72.0	72.8	72.6	74.8
courses in major field	80.0	76.7	85.2	80.8	81.0	79.8	84.1	81.0	81.1	80.7	84.4
general education requirements	58.8	54.1	69.3	55.6	64.9	66.5	70.4	59.4	58.9	56.5	78.8
relevance of coursework to life	50.9	44.6	61.8	48.6	57.2	52.1	63.5	61.7	52.3	51.7	57.4
overall quality of instruction	70.6	64.9	80.4	65.6	80.0	80.9	79.3	79.1	78.4	76.9	89.9
lab facilities and equipment	61.0	64.6	62.1	61.3	56.4	60.1	51.1	53.6	74.2	75.3	65.6
library facilities	70.3	86.2	67.4	68.0	56.9	59.4	53.3	55.0	74.6	74.7	73.7
computer facilities	68.7	72.2	75.0	66.6	65.4	66.5	64.2	64.5	74.9	75.9	67.2
oppty for interdisciplin courses	51.7	49.2	64.6	45.0	57.9	56.3	58.2	60.2	38.4	38.1	41.2
oppty to talk to professors	72.5	60.3	78.8	71.8	84.7	82.6	87.0	86.8	75.5	74.3	85.1
oppty for extracurr activities	75.7	73.0	83.8	73.3	78.5	76.6	78.1	81.8	65.5	64.2	74.7
campus social life	64.6	74.6	65.3	59.3	60.0	61.1	62.4	57.0	57.9	57.7	59.1
regulations on campus life	42.2	51.1	47.0	35.4	39.2	41.4	38.9	35.7	43.0	42.5	46.4
academic tutoring or assistance	58.4	52.4	62.9	56.9	64.7	66.4	66.4	61.1	58.9	57.9	66.5
academic advising	45.3	37.1	44.1	43.8	56.7	53.9	60.9	58.9	50.0	47.0	72.9
career counseling and advising	40.7	34.9	45.9	39.3	46.9	47.3	50.5	44.2	48.8	46.7	64.2
personal counseling	40.7	28.0	45.1	40.5	51.4	52.1	54.1	48.9	45.0	42.8	60.1
student housing	53.3	54.2	61.2	45.1	58.5	59.3	60.8	55.9	53.7	53.9	52.4
financial aid services	43.2	38.0	46.3	40.1	50.7	53.2	50.9	46.8	52.8	50.8	66.5
contact with faculty and admin	58.4	47.8	65.2	53.6	73.0	68.3	77.1	78.1	64.7	62.5	80.3
relations with faculty & admin	60.8	50.0	64.8	57.9	74.3	70.3	76.3	79.6	67.5	66.0	78.2
oppty to attend films,concerts	70.0	73.0	81.6	63.7	70.5	72.6	63.1	71.3	64.2	65.0	58.7
job placement services	41.1	45.5	49.8	35.4	40.1	41.4	43.9	36.0	41.8	40.5	52.9
campus health services	56.8	60.8	52.9	55.4	55.0	57.1	58.7	49.5	50.0	49.8	50.9
overall college experience	74.9	75.1	83.8	70.4	77.3	79.4	77.1	74.0	71.5	71.7	70.2
Enroll at Freshman College Again											
definitely yes	32.7	34.1	46.5	24.8	36.6	36.8	35.8	36.8	31.7	31.1	36.4
probably yes	31.6	29.9	28.7	34.9	30.0	31.2	28.5	28.9	31.5	32.2	25.6
don't know	3.9	3.6	4.2	4.3	3.6	3.1	4.5	3.9	4.3	4.5	2.4
probably not	18.7	17.4	13.7	22.1	17.3	17.3	18.3	16.8	19.1	18.3	25.0
definitely not	13.2	15.0	6.9	13.9	12.4	11.6	12.8	13.6	13.5	13.9	10.6
Distance from College to Home											
5 miles or less	5.3	3.6	4.8	7.2	4.7	5.2	5.8	3.3	12.2	12.5	9.7
6-10 miles	6.4	7.8	3.2	7.5	4.3	2.4	8.1	5.2	15.6	16.6	7.8
11-50 miles	23.0	16.0	15.0	31.6	22.3	17.9	30.8	24.3	40.1	40.5	36.7
51-100 miles	20.1	23.6	10.8	21.7	17.3	18.0	13.3	18.4	15.4	15.8	12.7
101-500 miles	32.2	39.6	31.7	25.3	33.1	32.5	26.9	37.6	15.9	14.4	27.6
more than 500 miles	13.1	9.4	34.6	6.7	18.4	24.0	15.2	11.2	0.7	0.1	5.4

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ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Took Time Off, Withdrew or Transferred											
no	64.3	67.0	72.1	60.9	63.2	61.7	68.3	62.6	55.1	56.8	41.6
transferred	21.4	18.9	14.7	21.8	25.6	25.7	22.8	27.1	19.3	17.4	33.6
withdrew	8.0	7.5	2.6	11.2	6.3	7.2	3.9	6.2	16.4	17.1	11.1
leave of absence	6.3	6.6	10.6	6.0	4.9	5.5	5.0	4.1	9.2	8.7	13.6
Reasons Noted as Very Important for Taking Time Off (4)											
reconsider goals & interests	47.7	53.8	29.1	47.0	46.8	43.0	35.7	58.4	42.2	43.4	34.3
changed career plans	31.0	37.8	17.5	28.0	31.4	33.3	18.3	34.6	29.4	30.2	24.6
wanted practical experience	21.0	27.2	10.4	17.8	21.4	16.6	20.7	29.6	20.7	21.4	16.9
didn't "fit in"	18.5	20.6	13.4	18.1	18.0	16.6	22.2	18.2	20.0	20.8	14.8
was bored with course work	18.3	26.3	8.9	18.3	12.7	11.7	20.2	10.5	20.1	22.5	5.3
wanted better acad reputation	24.0	19.0	9.8	32.0	21.3	19.6	27.4	21.1	26.0	27.2	18.7
wanted better social life	14.5	10.6	7.4	15.8	18.4	17.5	22.4	18.1	9.1	9.4	7.1
wanted to be closer to home	10.2	8.0	8.5	12.9	9.2	12.2	5.9	6.1	9.0	10.0	3.0
had good job offer	8.1	9.9	6.6	7.0	8.0	7.3	5.1	10.3	14.6	15.5	9.0
wasn't doing well academically	30.3	36.5	26.3	33.3	21.0	18.1	24.8	23.9	23.9	25.5	14.3
family responsibilities	10.3	10.2	16.2	10.6	8.7	10.0	5.6	8.1	10.9	11.6	6.6
tired of being student	9.5	13.7	2.3	11.3	4.5	5.7	2.9	3.3	5.7	5.8	4.8
couldn't afford college	18.9	16.7	31.7	18.7	18.6	17.1	27.2	16.8	16.7	16.8	16.4
wanted wider course selection	27.8	22.8	16.7	29.4	33.0	33.1	32.5	33.1	27.1	25.8	34.9
ENROLLMENT STATUS											
First Year											
attended first college full-time	98.6	98.9	99.8	97.9	98.9	98.6	98.4	99.5	98.0	98.5	94.3
attended first college part-time	0.7	0.8	0.0	1.0	0.5	0.5	0.4	0.5	0.7	0.6	1.3
attended diff college full-time	0.3	0.1	0.2	0.4	0.5	0.7	1.0	0.0	0.0	0.0	0.1
attended diff college part-time	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.5
not enrolled	0.2	0.0	0.0	0.6	0.0	0.1	0.0	0.0	1.2	0.9	3.8
Second Year											
attended first college full-time	78.1	80.0	83.0	75.2	77.9	75.1	81.1	80.2	74.2	74.0	76.4
attended first college part-time	4.5	5.2	2.1	6.6	1.7	2.0	3.1	0.3	7.0	7.5	2.7
attended diff college full-time	12.2	11.1	9.7	12.1	14.5	16.7	10.7	13.3	11.4	11.1	14.3
attended diff college part-time	2.0	1.3	1.1	1.8	3.3	4.3	2.5	2.2	1.0	0.9	2.2
not enrolled	3.3	2.3	4.1	4.4	2.7	1.9	2.5	4.0	6.3	6.5	4.4
Third Year											
attended first college full-time	70.2	72.5	77.0	67.0	69.1	65.1	74.3	72.1	41.8	46.2	5.2
attended first college part-time	2.8	4.6	1.6	2.7	1.1	1.3	0.9	0.9	5.9	5.3	10.0
attended diff college full-time	19.4	16.5	14.1	22.1	21.1	25.1	16.3	17.9	31.9	29.0	55.3
attended diff college part-time	2.4	2.3	2.1	1.7	3.6	3.1	5.7	3.0	4.6	3.2	16.4
not enrolled	5.3	4.2	5.2	6.4	5.1	5.4	2.8	6.1	15.9	16.3	13.2
Fourth Year											
attended first college full-time	71.7	73.6	80.8	68.0	70.9	68.6	73.4	73.2	36.9	39.7	8.9
attended first college part-time	2.2	3.0	2.5	2.6	0.8	0.5	1.4	0.7	4.3	4.6	1.2
attended diff college full-time	18.3	16.1	11.7	20.5	20.4	22.1	18.5	18.8	30.3	26.7	65.3
attended diff college part-time	2.3	1.6	1.4	2.9	2.7	3.3	2.3	2.1	7.6	7.3	10.4
not enrolled	5.5	5.7	3.5	6.0	5.2	5.5	4.3	5.1	20.9	21.6	14.2

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ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1986											
academic ability	66.0	78.7	86.1	56.5	57.6	55.9	58.8	59.7	42.2	42.6	38.7
artistic ability	25.3	29.9	32.9	20.5	23.8	25.7	21.1	22.3	19.8	20.1	17.9
drive to achieve	67.2	70.8	79.4	62.2	65.7	66.1	63.6	66.2	53.3	52.9	56.3
emotional health	61.4	63.2	72.6	58.9	59.1	59.2	61.9	57.3	54.0	54.0	54.1
foreign language ability	34.6	38.0	49.8	28.1	34.0	32.4	34.1	36.6	25.1	25.2	23.9
leadership ability	56.6	59.3	68.3	52.7	54.8	52.6	54.5	58.4	45.4	45.2	47.4
mathematical ability	47.1	56.1	61.8	40.7	40.5	40.2	40.2	41.1	33.3	34.1	26.9
physical health	63.6	68.6	71.3	61.4	58.6	61.0	57.2	55.5	59.1	58.5	63.4
popularity	47.4	53.8	56.8	42.2	43.8	44.1	39.7	45.7	39.1	39.9	33.0
self-confidence (intellectual)	59.3	66.1	79.6	51.7	54.7	53.9	52.8	57.1	45.9	46.3	42.9
self-confidence (social)	49.3	56.5	58.1	45.0	44.0	45.9	46.3	39.5	43.3	43.0	46.3
writing ability	46.0	49.8	61.8	41.6	42.4	42.9	43.6	41.0	30.2	29.8	33.3
in 1990											
academic ability	71.7	78.5	89.0	64.9	67.3	64.6	72.2	69.0	52.8	53.5	47.3
artistic ability	30.3	34.5	33.7	24.7	31.7	34.4	29.7	28.7	24.2	23.8	26.8
competitiveness	60.6	62.2	67.1	58.9	58.9	56.6	63.1	60.1	50.9	50.8	52.0
drive to achieve	70.1	68.8	77.9	69.7	69.5	68.9	71.6	69.2	60.0	59.6	63.3
emotional health	60.9	64.4	70.6	55.4	60.9	59.7	64.5	60.8	56.9	55.4	68.5
foreign language ability	34.4	40.0	47.5	26.7	33.5	31.9	35.5	35.0	19.9	19.5	22.3
leadership ability	64.4	62.8	75.7	60.9	66.8	64.1	67.4	70.5	51.9	52.1	49.7
mathematical ability	45.3	50.0	60.7	40.9	40.7	39.0	44.1	41.5	37.9	39.3	27.0
physical health	60.3	61.8	65.1	58.4	59.4	59.2	60.1	59.4	59.6	59.6	59.5
popularity	50.1	53.8	53.5	46.0	49.9	50.1	52.5	48.1	35.8	36.2	32.7
popularity with opposite sex	46.4	50.6	51.2	42.3	45.5	46.3	49.5	42.0	35.6	35.4	37.5
public speaking ability	43.4	42.4	53.1	40.2	45.3	41.8	47.4	49.5	31.7	30.9	38.5
self-confidence (intellectual)	64.5	66.0	80.2	60.6	62.6	63.9	61.4	61.3	47.2	46.3	54.4
self-confidence (social)	52.1	53.8	58.9	48.4	52.5	49.9	56.8	54.2	39.0	37.6	50.2
writing ability	57.5	61.6	71.8	51.5	55.9	57.1	58.1	52.8	44.0	43.4	48.8
Students Reporting Much Stronger Abilities and Skills in 1990											
general knowledge	50.0	52.6	55.1	44.6	52.4	51.5	56.8	51.3	39.1	36.8	57.9
problem-solving skills	30.9	33.6	33.0	29.4	29.2	30.2	30.1	27.0	26.5	25.8	31.6
knowledge of particular field	61.8	64.7	68.3	56.9	62.6	59.5	60.6	68.5	50.6	50.5	51.5
critical thinking ability	35.6	38.5	42.0	30.5	36.8	37.0	36.1	37.0	26.1	25.5	31.0
foreign language ability	8.6	9.7	10.8	6.2	9.8	9.4	9.3	10.9	2.4	1.9	6.0
job-related skills	38.0	38.8	32.5	37.4	39.8	38.7	37.9	42.5	35.5	34.5	43.7
religious beliefs & convictions	10.8	12.2	16.0	7.2	12.0	12.2	8.2	13.7	4.4	3.4	12.1
interest in grad/prof school	32.8	31.8	29.7	33.6	33.8	32.3	40.2	32.7	20.0	18.4	33.1
preparation for grad/prof school	25.5	27.9	28.0	22.8	25.5	26.4	26.7	23.6	13.0	10.4	33.3
leadership abilities	23.3	19.8	21.5	24.8	25.7	27.0	28.2	22.3	18.0	17.5	22.6
ability to work independently	33.7	31.6	31.7	34.5	35.7	37.5	38.0	31.6	33.9	33.4	38.4
interpersonal skills	30.8	31.0	33.7	29.6	31.0	31.7	35.1	27.7	21.8	20.6	31.6
cultural awareness	33.1	31.7	40.3	28.3	38.5	42.4	36.1	33.7	20.2	18.8	31.5
tolerance of different beliefs	27.3	26.3	32.2	23.9	31.1	30.4	29.1	33.1	15.0	13.6	26.0
acceptance of dif races/cultures	25.8	23.9	26.9	26.0	27.3	28.9	28.4	24.0	15.6	15.0	20.1
confidence in academic abilities	23.4	24.2	24.9	22.8	22.8	21.7	23.2	24.3	18.0	16.9	26.8
writing skills	19.0	19.3	23.1	17.9	18.6	20.1	20.1	15.3	13.2	11.8	24.9
public speaking ability	19.8	17.8	18.5	20.2	22.1	21.5	23.5	22.1	14.2	12.5	27.7
competitiveness	17.0	17.3	11.6	18.5	16.5	17.1	19.3	14.0	13.7	13.5	14.5
ability to work cooperatively	23.3	22.6	18.1	25.5	23.0	24.6	25.7	18.9	22.7	21.6	30.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (Reported in 1986)											
be elected to student office....	3.3	2.4	5.1	2.8	4.2	4.8	4.2	3.5	2.3	2.4	1.1
be satisfied with college.....	55.3	58.0	71.6	48.9	55.3	53.7	54.3	58.3	48.3	47.7	53.3
change career choice.....	15.2	17.9	20.2	12.5	14.1	12.9	12.4	16.9	10.2	10.2	10.2
change major field.....	17.2	23.0	17.7	14.1	14.8	14.7	13.1	15.8	11.9	11.1	18.5
drop out permanently.....	0.4	0.5	0.4	0.2	0.5	0.4	0.7	0.5	0.4	0.3	0.9
drop out temporarily.....	1.0	1.5	3.2	0.5	0.6	0.7	0.8	0.5	0.7	0.8	0.4
fail one or more courses.....	1.4	0.7	1.0	2.2	1.4	1.5	0.8	1.5	1.3	0.5	7.5
get job to pay expenses.....	38.2	42.1	43.8	32.8	39.1	36.3	40.8	42.5	35.8	35.4	38.9
get married while in college....	4.1	5.9	6.2	3.1	2.8	2.0	2.8	4.1	2.9	2.7	3.9
graduate with honors.....	12.4	13.1	18.2	9.1	13.9	13.4	13.6	14.9	8.1	8.2	7.3
join social frat or sorority....	21.0	23.9	30.6	17.3	19.5	17.1	19.5	23.3	10.1	10.1	10.5
make at least "B" average.....	41.4	44.4	60.2	34.7	40.8	39.3	41.9	42.6	34.7	35.5	28.4
participate in student protests.	5.4	4.2	8.0	3.9	7.9	8.6	4.3	8.8	2.7	2.9	1.4
play varsity athletics.....	15.6	8.4	13.4	14.2	25.9	26.4	20.9	27.8	12.0	11.7	14.3
study abroad while enrolled.....	12.7	13.8	19.3	6.1	17.9	15.8	16.0	22.2	5.1	5.3	3.7
transfer to another college.....	8.5	6.1	5.3	12.5	7.0	6.5	6.6	8.1	13.9	13.7	15.3
work at outside job.....	18.0	17.0	17.4	20.0	16.7	14.1	22.5	17.5	18.5	18.6	16.9
work full-time while attending..	2.3	1.3	3.0	2.8	2.6	2.0	2.5	3.6	3.2	3.5	0.6
Events Occurring Since Entering College (5)											
was elected to student office...	17.8	13.7	17.4	16.5	24.2	24.4	25.0	23.5	13.7	13.1	18.6
was satisfied w/fresh coll (6)..	74.0	74.7	83.8	69.1	76.4	78.4	76.5	73.1	69.1	69.1	69.0
changed career choice (6).....	55.0	55.6	57.8	54.1	54.5	53.5	49.6	58.6	54.3	53.1	64.4
changed major field (6).....	54.4	54.1	49.3	57.3	52.8	51.6	51.3	55.5	50.5	49.5	57.7
dropped out permanently (6).....	7.9	7.3	2.6	11.0	6.1	7.0	3.8	6.1	16.0	16.6	11.0
dropped out temporarily (6).....	6.2	6.5	10.4	5.9	4.8	5.3	4.9	4.0	9.0	8.4	13.5
failed a course or class.....	37.4	40.9	21.3	46.2	27.5	28.5	29.2	24.8	37.0	37.1	36.7
had part-time job off campus....	59.7	63.1	56.1	59.7	57.3	55.8	66.2	54.6	62.4	61.2	72.6
had part-time job on campus.....	47.4	47.6	58.3	38.8	54.5	52.9	53.9	57.5	28.7	27.1	41.8
worked full-time while student..	16.9	17.9	12.1	19.9	13.4	12.2	16.0	14.0	18.2	18.0	19.3
got married.....	6.2	5.8	8.3	6.6	5.3	3.3	5.7	8.3	11.0	10.0	19.1
graduated with honors.....	14.2	12.6	22.0	11.5	17.0	17.9	19.1	14.5	12.9	12.3	17.5
joined a fraternity or sorority.	23.1	24.0	29.0	21.3	22.4	21.9	17.0	26.2	8.1	7.9	10.1
made "B" or better coll GPA (6).	67.3	66.5	85.0	62.0	69.1	68.2	69.5	70.2	59.1	58.6	62.8
participated in student protests	18.4	13.9	20.8	19.6	21.2	26.4	18.9	14.1	5.8	5.9	4.7
played intercoll foot/basketball	7.4	4.7	5.8	6.5	12.2	11.8	7.4	15.5	6.0	4.4	18.5
played other intercoll sport....	19.1	13.1	19.1	19.0	25.9	28.4	29.9	19.7	17.9	15.8	34.0
in study abroad program.....	8.9	6.8	15.1	4.4	15.0	16.3	11.6	14.9	0.6	0.6	0.3
transferred before graduating...	20.9	18.6	14.5	21.3	25.1	25.1	22.4	26.5	18.8	17.0	33.2
Other College Activities (5)											
assisted faculty in teaching....	10.3	8.9	10.0	8.3	14.3	15.3	9.9	15.3	5.7	5.5	6.9
attd racial/cultural workshop...	19.1	14.6	25.3	18.9	22.2	24.0	20.9	20.1	7.8	7.4	11.5
enrolled in ethnic std course...	20.1	18.1	19.7	20.9	21.6	24.7	19.3	17.8	7.4	6.9	10.8
enrolled in honors program.....	27.6	27.3	44.4	22.1	29.4	29.4	29.0	29.7	15.6	15.3	17.2
enrolled in women's std course..	15.3	11.6	15.0	17.3	16.8	17.0	15.9	17.0	5.9	5.6	8.0
in college internship program...	24.6	22.9	25.9	22.7	28.6	28.3	31.5	27.4	20.6	21.1	16.7
in social/ethnic student org....	9.1	6.8	12.9	8.1	11.8	12.9	12.8	9.5	1.7	1.6	2.0
taken reading study/skills class	17.3	13.6	10.3	21.0	19.0	19.7	18.0	18.4	14.6	13.5	23.8
taken remedial/develop course...	8.4	6.2	4.0	11.6	8.1	6.3	6.6	11.9	12.8	12.6	13.8
worked on prof's research proj..	15.4	17.2	21.7	13.9	13.3	15.4	11.7	11.0	8.3	8.9	3.1

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS		Universities		Four-year Colleges					Two-year Colleges		
	All 4-yr	Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Last Year Reported in 1986											
attended a religious service	85.3	81.5	89.0	87.7	85.3	80.5	94.0	88.0	81.9	80.2	95.3
attended recital or concert	81.2	81.6	83.8	79.6	81.8	84.1	78.0	80.2	75.0	74.4	79.4
did extra work for class (7)	14.1	13.3	19.2	14.7	12.5	13.0	14.0	10.9	10.2	9.7	14.4
didn't complete homework on time	69.0	67.2	69.8	69.5	70.0	68.7	70.5	71.7	63.4	63.0	66.5
drank beer	65.8	72.7	61.8	65.0	60.5	59.6	72.8	54.9	73.6	75.5	58.4
felt depressed (7)	7.9	5.9	7.6	8.3	9.8	8.5	8.3	12.7	11.5	12.1	7.2
felt overwhelmed (7)	19.3	20.6	20.9	15.5	22.1	19.8	22.2	25.7	17.6	17.5	18.8
missed school due to illness (7)	6.0	4.9	5.3	7.8	5.2	4.5	7.1	5.3	5.7	6.0	3.3
performed volunteer work	71.1	68.3	83.1	68.4	73.6	74.3	79.9	69.0	67.1	65.6	78.9
smoked cigarettes (7)	6.1	4.3	3.7	6.5	8.3	11.1	8.6	3.6	14.1	15.0	6.7
stayed up all night	76.4	78.6	72.7	74.3	77.7	79.3	79.3	74.2	75.8	75.8	75.6
studied with other students	91.0	91.5	94.7	90.0	90.3	91.5	91.6	87.8	85.2	84.9	87.8
tutored another student	47.7	51.6	64.3	40.8	46.7	46.6	48.3	45.9	36.3	37.3	28.6
used a personal computer (7)	28.3	27.8	28.6	29.8	26.9	25.6	27.2	28.6	23.1	23.6	19.5
was bored in class (7)	33.3	38.2	33.2	28.9	33.4	33.2	23.5	39.6	35.3	34.4	42.3
was guest in teacher's home	33.6	35.0	38.5	29.0	36.5	35.5	35.0	38.8	28.6	27.5	37.2
won varsity letter in sports	50.1	50.0	52.1	49.7	50.1	47.5	51.2	53.5	44.0	44.0	44.3
Reported in 1990											
attended a religious service	70.2	63.0	78.2	70.4	75.4	68.0	89.6	78.9	65.9	62.8	90.9
attended recital or concert	80.8	80.4	86.4	77.3	83.6	88.1	81.9	77.6	60.7	59.9	66.8
been lonely or homesick	58.2	57.6	58.3	59.9	56.8	57.8	54.9	56.1	56.1	56.1	56.1
drank beer	76.9	83.1	70.5	76.7	72.4	71.2	81.3	69.3	75.1	76.6	63.2
drank wine or liquor	80.5	84.4	75.5	81.2	77.0	76.0	84.7	74.1	78.7	79.8	69.9
felt depressed (7)	8.3	7.8	7.3	8.9	8.5	9.4	7.4	7.8	7.8	7.8	7.2
felt overwhelmed (7)	26.4	27.4	23.7	26.4	26.1	21.9	22.7	34.5	22.7	22.1	27.7
recd personal/psych counseling	15.5	12.4	16.0	16.8	17.2	17.9	17.5	15.9	12.5	12.7	10.6
recd voc/career counseling	55.7	53.1	59.4	51.8	62.3	64.0	59.9	61.0	44.9	43.2	57.9
smoked cigarettes (7)	11.2	16.4	8.4	7.1	11.5	14.5	11.9	6.4	15.0	15.6	10.4
socialized w/diff ethnic grp (7)	47.2	47.1	49.1	44.2	50.5	52.6	54.4	45.1	40.2	40.4	39.1
stayed up all night	68.2	68.3	67.0	68.2	68.5	75.2	64.0	60.5	64.4	63.1	74.3
used a personal computer (7)	53.6	50.6	66.3	51.7	55.2	56.1	58.6	51.9	43.0	43.3	40.5
Activities in Last Year of College											
did extra work for class (7)	7.1	6.6	7.9	7.8	6.4	6.8	6.3	5.9	5.7	5.9	4.1
didn't complete homework on time	52.7	53.6	54.0	48.8	56.2	55.7	57.4	56.5	48.4	48.4	48.7
discussed course w/students (7)	67.3	66.8	69.9	66.3	68.1	66.4	77.0	65.6	56.7	55.7	65.1
felt like leaving college	40.9	40.3	28.7	45.4	39.7	41.6	32.8	40.6	43.1	42.1	51.4
missed class due to illness (7)	2.6	2.0	3.5	2.2	3.7	4.6	2.4	2.8	1.4	1.6	0.0
participated in intramural sport	43.6	41.3	49.7	42.3	45.9	45.7	46.6	45.8	34.3	33.9	37.6
performed volunteer work	44.2	42.4	50.9	40.8	48.3	46.0	51.9	49.7	26.9	25.0	42.5
studied with other students	91.6	91.8	91.8	92.4	90.4	89.9	92.2	90.2	86.2	85.9	88.7
took interdisciplinary course	55.4	53.5	67.0	52.5	57.5	59.2	58.6	54.3	34.1	33.3	40.2
tutored another student	50.0	48.0	54.0	49.2	51.9	50.5	56.5	51.4	43.5	43.0	48.0
used a personal computer (7)	51.0	48.4	62.5	49.0	52.7	51.4	57.6	52.0	38.7	39.1	35.5
was bored in class (7)	26.8	32.6	26.0	26.0	21.6	20.4	21.8	23.4	22.2	23.0	16.1
was guest in professor's home	28.4	19.0	30.5	21.7	46.5	49.1	33.7	49.7	17.8	16.4	29.0
worked on grp projects in class	85.8	85.0	79.5	85.8	88.5	87.6	92.2	87.8	88.2	87.9	90.8
worked on ind research project	59.1	56.4	61.9	56.6	64.3	70.5	63.1	55.1	58.1	58.2	57.1

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1986											
with parents or relatives	9.7	7.3	2.5	13.9	9.8	8.3	12.1	11.0	29.9	30.4	25.7
other private home,apt,room	26.9	30.9	14.9	28.7	24.0	26.1	25.3	20.1	32.3	32.6	29.6
college dormitory	49.5	48.3	71.1	42.2	52.4	54.0	46.3	53.4	26.4	25.6	32.7
fraternity or sorority house	6.4	7.9	7.2	5.5	5.6	4.1	7.0	7.3	3.4	3.3	4.1
other campus housing	5.6	4.4	3.1	6.6	6.5	6.2	8.2	6.1	4.1	4.2	3.2
other	1.9	1.1	1.2	3.0	1.6	1.4	1.2	2.1	3.9	3.9	4.6
Planned for Fall 1986											
with parents or relatives	15.9	14.7	9.1	22.8	10.8	8.6	17.6	10.3	52.9	55.5	31.8
other private home,apt,room	3.4	4.4	2.3	4.2	1.5	1.9	2.6	0.4	11.8	12.8	3.5
college dormitory	78.0	78.2	86.2	69.7	85.7	88.1	76.2	87.2	33.2	29.5	63.4
fraternity or sorority house	0.5	0.3	0.7	0.6	0.5	0.1	0.4	1.3	0.1	0.0	1.3
other campus housing	1.5	2.3	1.6	1.0	1.4	1.1	3.0	0.9	1.1	1.2	0.0
other	0.7	0.1	0.1	1.7	0.2	0.2	0.2	0.0	0.9	1.0	0.0
First Year											
with parents or relatives	16.4	14.8	10.1	23.1	11.7	8.8	19.9	11.5	53.7	55.8	36.1
other private home,apt,room	4.7	5.0	2.0	6.7	2.7	1.6	2.3	4.5	12.4	13.4	3.3
college dormitory	76.8	78.1	85.9	67.6	83.9	88.5	74.7	82.4	31.9	28.6	60.7
frat or sorority house	0.4	0.4	0.2	0.5	0.2	0.0	0.1	0.7	0.0	0.0	0.0
other campus student housing	1.6	1.4	1.7	1.9	1.3	1.0	3.1	0.8	0.6	0.6	0.0
other	0.2	0.3	0.1	0.3	0.1	0.1	0.0	0.1	1.4	1.6	0.0
Second Year											
with parents or relatives	21.9	20.4	13.1	29.0	17.5	14.9	22.9	18.4	47.5	49.0	35.4
other private home,apt,room	18.4	29.1	13.9	17.6	8.5	10.4	6.6	6.6	20.1	22.2	2.0
college dormitory	50.7	39.5	58.7	47.7	64.8	65.0	62.0	66.2	27.8	24.0	59.2
frat or sorority house	4.5	6.4	7.5	2.4	4.2	4.8	0.5	5.2	0.3	0.3	0.0
other campus student housing	3.7	3.7	5.0	2.7	4.7	4.5	7.6	3.3	2.0	2.1	1.0
other	0.7	0.9	1.8	0.5	0.3	0.3	0.4	0.3	2.4	2.4	2.4
Third Year											
with parents or relatives	20.9	20.3	10.9	28.2	16.1	12.8	22.6	17.5	29.7	30.6	22.8
other private home,apt,room	34.5	48.4	30.5	32.2	22.9	23.9	20.6	22.6	36.5	36.1	39.7
college dormitory	31.0	17.0	38.7	30.1	45.4	47.6	40.2	45.2	22.9	22.2	28.1
frat or sorority house	6.0	8.8	10.2	3.2	4.8	5.6	1.5	5.6	0.3	0.4	0.0
other campus student housing	6.3	4.1	6.3	5.5	9.7	9.4	13.3	8.0	3.7	3.8	3.0
other	1.3	1.5	3.4	0.8	1.1	0.8	1.8	1.1	6.9	6.9	6.5
Fourth Year											
with parents or relatives	21.4	21.1	13.3	26.3	18.4	14.8	23.9	21.1	25.6	26.3	19.7
other private home,apt,room	42.7	55.4	40.4	42.9	28.9	28.9	26.3	30.4	49.3	50.0	42.7
college dormitory	22.8	12.2	30.4	20.6	35.0	38.9	27.5	32.9	12.0	10.6	24.4
frat or sorority house	4.4	5.5	8.0	2.4	4.5	5.4	0.7	5.3	1.4	1.5	1.2
other campus student housing	7.1	4.3	5.6	6.5	11.8	10.7	19.2	9.1	5.8	6.0	4.2
other	1.6	1.6	2.4	1.3	1.5	1.3	2.4	1.2	5.9	5.7	7.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Objectives Noted as Essential or Very Important in 1986											
achieve in a performing art	10.4	9.7	12.5	9.2	11.9	13.5	9.2	10.9	6.3	5.8	9.9
become authority in my own field	72.8	73.4	71.3	72.1	73.6	73.9	66.8	77.0	71.8	72.9	63.4
obtain recog from colleagues	55.3	55.2	53.8	55.3	55.9	55.6	53.2	57.9	48.7	48.5	50.1
influence political structure	16.3	14.6	19.5	17.2	15.8	16.0	16.1	15.2	11.0	10.7	13.0
influence social values	33.7	31.8	34.4	31.6	38.1	39.8	31.3	39.5	28.4	27.1	39.4
raise a family	68.1	70.8	76.1	65.1	66.7	61.0	71.6	72.8	69.4	68.9	73.3
have admin responsibility	44.3	45.5	44.3	45.6	41.3	40.1	44.8	40.9	43.3	43.2	44.2
be very well off financially	70.3	71.7	65.5	72.5	67.6	67.2	69.2	67.4	81.2	82.2	73.0
help others in difficulty	58.2	55.8	58.9	59.7	58.8	56.6	57.0	63.4	51.3	50.4	58.9
theoretical contrib to science	15.2	17.7	15.0	16.2	11.2	12.8	10.7	9.1	9.3	9.7	5.7
write original works	12.3	14.1	14.6	10.8	11.5	11.9	13.7	9.6	9.6	9.5	10.9
create artistic work	12.2	13.3	12.9	9.7	14.0	17.2	9.7	11.5	10.4	10.4	10.0
be successful in own business	46.7	49.1	40.8	44.6	48.5	50.6	45.4	47.0	50.4	49.8	55.5
be involved in environ cleanup	17.2	18.5	13.1	18.4	15.5	18.4	13.0	12.4	13.3	13.5	11.5
develop philosophy of life	44.1	45.3	54.4	37.5	47.9	49.6	45.3	46.8	32.7	33.0	30.4
participate in community action	20.3	20.1	23.4	19.2	20.8	23.0	21.3	17.0	14.7	13.3	26.4
promote racial understanding	30.3	28.0	33.0	31.6	30.5	32.7	30.2	27.2	18.4	17.9	22.9
be expert on finance/commerce	26.4	29.5	24.9	25.6	24.4	22.4	28.5	25.2	18.1	17.6	22.6
in 1990											
achieve in a performing art	9.0	8.6	10.3	7.5	10.8	11.0	8.5	11.9	6.8	5.6	16.3
become authority in my field	65.8	68.9	65.4	62.9	66.0	64.6	67.6	67.3	69.5	69.2	71.7
obtain recog from colleagues	51.1	56.2	52.0	47.2	50.2	48.0	52.0	52.6	53.3	53.5	51.5
influence political structure	18.6	17.9	20.0	18.1	19.6	20.7	19.3	18.1	11.7	11.5	13.3
influence social values	41.9	37.9	46.8	41.2	45.7	47.2	48.3	41.9	32.8	32.1	38.1
raise a family	70.4	68.4	76.8	70.2	70.6	67.2	75.2	73.5	68.1	67.9	70.4
have admin responsibility	42.0	42.6	43.2	39.9	43.6	44.1	44.7	42.1	47.8	47.8	47.8
be very well off financially	58.6	57.0	55.6	61.0	58.1	57.6	62.3	56.3	69.4	70.4	61.4
help others in difficulty	63.1	58.1	67.2	64.1	65.8	66.0	66.9	64.9	61.4	60.3	69.7
theoretical contrib to science	11.5	12.2	11.5	13.1	8.7	8.4	8.3	9.5	11.5	10.9	16.5
write original works	14.1	13.3	17.5	12.1	16.4	16.7	15.3	16.5	11.2	10.3	18.3
create artistic work	12.1	13.9	13.9	8.7	14.0	16.7	10.9	11.5	8.6	7.3	18.9
be successful in own business	36.7	37.8	36.0	34.7	38.5	38.7	43.8	35.1	40.2	40.2	40.1
be involved in environ cleanup	40.6	41.3	33.7	40.7	42.0	43.6	43.2	38.9	37.7	36.6	46.4
develop philosophy of life	53.0	50.6	60.6	50.9	55.9	56.1	53.8	56.9	45.2	43.8	56.3
participate in community action	28.2	24.1	30.7	31.4	27.9	28.0	32.2	25.1	20.1	19.4	25.6
promote racial understanding	36.4	32.6	38.0	37.7	38.3	40.8	36.3	35.7	23.9	22.9	31.8
be expert on finance/commerce	18.2	18.5	18.6	18.0	18.1	17.7	21.4	16.8	20.5	21.2	15.5
Permission to Use I.D. in 1986											
yes	80.9	82.2	79.1	81.8	78.7	80.5	72.8	79.0	77.9	77.2	83.6
no	19.1	17.8	20.9	18.2	21.3	19.5	27.2	21.0	22.1	22.8	16.4
Permission to Use I.D. in 1990											
yes	70.6	70.8	75.1	67.1	73.3	71.2	74.1	76.0	69.3	70.3	60.5
no	29.4	29.2	24.9	32.9	26.7	28.8	25.9	24.0	30.7	29.7	39.5

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agree Strongly or Somewhat											
in 1986											
abolish death penalty	24.0	19.1	28.8	22.9	29.1	34.5	30.8	19.5	19.6	18.5	28.0
abortion should be legalized	63.2	67.8	56.1	64.0	59.4	66.8	51.5	52.4	56.1	56.9	49.9
busing OK to achieve balance	54.5	51.8	49.0	55.5	58.0	61.2	54.5	55.0	57.5	57.6	56.5
college ban extreme speakers	22.9	24.1	23.5	22.4	21.9	22.5	18.9	22.8	26.1	26.1	26.7
college increases earning power	68.4	69.9	55.4	73.4	64.5	60.1	69.0	68.6	80.2	81.3	71.5
college regulate off-campus acts	10.6	8.6	14.2	10.1	12.2	10.3	10.6	16.2	11.9	11.8	12.9
govt not controlling pollution	79.4	79.9	78.8	77.7	81.3	83.1	83.4	77.2	74.5	74.1	77.7
govt not promoting disarmament	67.4	71.2	65.8	63.3	68.8	69.7	70.0	66.8	59.9	59.0	67.2
govt not protecting consumer	62.4	60.5	54.4	65.6	63.0	66.4	60.9	58.8	62.5	63.0	57.8
increase fed military spending	24.0	21.9	25.5	29.5	18.7	16.8	21.9	19.9	27.5	28.0	23.9
live together before marriage	51.3	56.3	42.6	52.6	47.0	51.6	45.2	41.0	54.0	57.3	27.6
marijuana should be legalized	21.6	22.5	20.1	20.4	22.6	27.0	20.5	16.8	26.2	27.1	18.5
married women best in home	17.0	18.2	18.7	17.3	14.6	14.0	14.8	15.5	14.9	14.4	18.9
national health care plan needed	61.9	58.0	53.4	65.7	63.9	65.6	61.7	62.4	67.8	68.4	63.5
nuclear disarmanent attainable	55.6	57.8	50.8	56.2	53.8	55.2	60.8	47.6	51.9	51.0	59.3
prohibit homosexual relations	47.4	41.9	44.5	51.7	48.8	45.0	44.7	57.0	52.3	51.6	57.3
raise taxes to reduce deficit	23.7	24.2	29.8	21.7	23.9	24.2	22.5	24.2	21.6	22.1	17.7
wealthy should pay more taxes	73.1	71.9	68.9	77.3	70.6	67.5	73.9	73.6	73.8	73.8	73.8
in 1990											
abolish death penalty	21.9	21.1	27.7	16.9	27.2	28.3	32.2	22.4	13.9	13.2	19.8
abortion should be legal	76.0	83.3	62.4	76.9	71.0	79.3	62.7	62.7	65.8	66.7	58.7
busing OK to achieve balance	48.1	47.6	45.4	48.4	49.2	51.1	44.2	49.0	43.9	43.7	45.0
college ban extreme speakers	16.3	19.2	20.8	12.6	16.5	15.4	15.6	18.8	17.5	17.0	21.0
college increases earning power	43.4	46.0	33.4	47.0	39.2	37.6	38.6	41.9	58.3	58.3	58.0
college regulate off-campus acts	8.5	6.6	14.1	8.6	8.6	8.2	5.7	11.1	9.3	9.0	11.9
govt not controlling pollution	89.5	89.6	87.7	90.7	88.6	87.1	89.1	90.5	86.8	86.0	92.8
govt not promoting disarmament	64.7	64.2	59.9	64.4	67.1	68.2	63.9	67.2	58.1	57.3	64.4
govt not protecting consumer	65.0	60.4	59.4	68.3	67.7	68.3	62.1	69.8	66.3	65.3	74.4
increase fed military spending	13.3	11.1	12.2	16.9	11.6	9.4	12.3	14.7	15.4	15.2	16.2
live together before marriage	52.0	55.6	42.6	53.9	48.4	56.8	40.9	39.5	59.3	62.6	32.9
marijuana should be legalized	24.9	28.0	25.7	22.0	25.0	27.9	23.2	21.4	24.4	25.0	19.4
married women best in home	11.8	10.6	15.4	12.3	11.1	9.5	10.4	14.3	14.4	14.0	17.3
national health care plan needed	72.4	71.0	61.2	75.1	74.0	76.9	71.2	71.0	75.6	76.6	68.3
nuclear disarmament attainable	59.7	58.6	52.3	62.7	59.3	58.7	65.9	56.4	60.8	60.9	60.0
prohibit homosexual relations	26.9	22.6	19.9	31.3	28.1	27.3	23.1	32.4	37.4	37.3	37.9
raise taxes to reduce deficit	35.0	40.5	45.3	30.0	32.0	31.5	30.9	33.4	26.8	26.5	29.0
wealthy should pay more taxes	75.4	74.8	67.3	79.4	73.3	75.3	68.5	72.9	77.1	77.0	77.3
Political Orientation in 1986											
far left	1.1	1.3	0.8	0.8	1.5	2.1	0.8	0.9	2.2	2.5	0.0
liberal	23.6	21.7	26.5	22.7	25.8	27.4	21.9	25.5	19.7	20.1	16.2
middle of the road	54.6	57.0	42.5	57.8	51.7	52.4	58.2	46.8	62.6	62.2	66.5
conservative	19.5	19.5	29.0	16.3	20.3	17.3	18.7	26.1	13.4	13.0	17.2
far right	1.2	0.5	1.2	2.3	0.7	0.8	0.4	0.7	2.0	2.2	0.1
Political Orientation in 1990											
far left	1.7	1.5	1.4	1.6	2.1	3.3	0.6	0.9	0.8	0.8	0.5
liberal	28.9	29.8	25.6	28.7	29.2	32.5	23.9	27.0	21.1	22.0	13.9
middle of road	45.3	45.5	37.3	47.3	45.1	43.3	52.9	43.4	53.2	52.1	62.4
conservative	23.7	23.0	34.9	22.0	23.2	20.5	22.5	27.9	24.0	24.2	22.8
far right	0.4	0.2	0.7	0.4	0.4	0.4	0.1	0.7	0.9	0.9	0.4

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986) (8)											
None											
studying or doing homework	1.1	1.9	0.6	0.9	0.8	0.7	0.7	0.9	2.8	3.1	0.4
socializing with friends	0.2	0.1	0.4	0.2	0.5	0.2	0.3	1.0	0.0	0.0	0.0
talking w/teacher outside class	18.3	19.9	15.4	21.1	13.9	14.0	10.9	15.3	19.9	20.2	17.9
exercising or sports	6.6	4.7	3.1	8.5	7.2	5.9	6.2	9.8	7.9	8.0	7.2
using a personal computer	49.4	50.7	49.1	48.1	49.6	51.5	50.1	46.5	54.2	54.6	51.1
partying	17.2	13.9	19.5	16.2	21.4	21.3	12.4	26.8	17.2	16.1	26.1
working (for pay)	28.8	27.3	34.4	27.8	30.1	32.0	25.9	29.6	22.0	21.1	29.4
volunteer work	52.7	54.7	41.2	55.7	50.4	51.2	42.6	53.7	58.1	58.9	51.2
student clubs and groups	29.5	31.6	16.4	32.7	27.5	26.1	27.4	29.6	46.2	49.6	19.1
watching TV	6.8	7.5	9.8	5.8	6.5	7.6	7.6	4.0	5.3	5.4	4.0
religious services or meetings	32.7	39.0	23.4	31.1	31.0	38.0	23.6	24.4	35.9	38.1	17.7
hobbies	10.9	11.7	9.6	10.5	10.8	10.9	8.9	11.8	9.6	10.1	5.5
Six or More Hours											
studying or doing homework	54.3	49.0	65.7	54.5	56.2	56.9	64.3	50.4	47.3	48.6	37.1
socializing with friends	82.8	84.4	85.3	81.0	82.5	81.7	85.1	82.2	81.9	82.1	80.5
talking w/teacher outside class	8.1	8.0	6.5	8.2	8.6	9.4	7.0	8.3	8.0	8.1	7.1
exercising or sports	54.8	53.5	55.0	55.0	56.0	57.4	55.5	54.1	47.0	47.5	42.7
using a personal computer	9.8	9.9	6.8	12.1	7.7	6.8	8.3	8.9	8.7	8.8	7.4
partying	36.9	41.2	32.4	37.6	32.7	31.5	37.6	31.9	43.4	44.0	38.3
working (for pay)	60.2	63.4	52.2	63.1	55.7	52.7	62.0	57.0	68.9	70.8	53.5
volunteer work	6.3	5.6	8.9	6.2	6.2	6.1	6.4	6.1	5.7	5.4	8.6
student clubs and groups	17.7	16.6	26.0	16.8	17.2	18.1	19.3	14.6	15.3	15.4	14.5
watching TV	36.4	33.0	30.9	41.4	35.6	31.6	36.6	41.3	45.3	46.1	39.1
religious services or meetings	4.0	2.4	5.5	3.9	5.6	4.2	3.1	9.2	2.8	2.6	4.7
hobbies	26.6	26.5	26.0	25.9	27.6	27.4	27.9	27.9	29.2	28.7	33.2
Sixteen or More Hours											
studying or doing homework	9.4	7.8	16.6	7.9	10.7	12.0	10.3	9.0	5.2	5.4	4.3
socializing with friends	35.3	33.4	32.9	36.5	36.4	40.3	34.2	31.7	39.2	39.9	33.5
talking w/teacher outside class	1.0	0.7	0.7	1.3	1.2	1.5	1.1	0.9	1.0	0.9	2.2
exercising or sports	18.0	16.9	19.3	19.6	16.5	13.7	21.8	17.9	12.4	12.0	15.9
using a personal computer	1.3	0.8	1.1	1.8	1.1	1.2	1.0	1.1	1.8	1.7	2.1
partying	10.0	11.5	7.1	9.8	9.5	8.9	8.2	11.1	14.8	15.0	13.1
working (for pay)	35.5	38.0	26.8	37.2	33.5	31.6	36.1	35.0	46.1	47.2	37.1
volunteer work	1.3	0.6	1.5	1.8	1.3	0.7	1.5	2.0	1.3	1.4	0.6
student clubs and groups	2.7	1.7	3.4	3.2	3.0	3.3	4.3	1.8	1.8	1.5	3.9
watching TV	7.6	5.4	5.3	9.0	9.0	8.3	7.4	11.0	8.8	9.1	6.8
religious services or meetings	0.5	0.2	0.2	0.4	0.8	0.5	1.7	0.7	0.5	0.5	0.0
hobbies	6.0	6.9	4.9	6.1	5.2	5.3	7.9	3.4	6.2	5.8	8.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	Universities		Four-year Colleges					Two-year Colleges		
	All 4-yr	Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990) (8)											
None											
classes and labs	1.1	0.8	2.2	1.0	1.3	1.8	2.2	0.1	1.2	1.3	0.1
studying or homework	0.2	0.3	0.4	0.0	0.2	0.4	0.3	0.0	0.7	0.8	0.0
socializing with friends	0.3	0.0	0.0	0.5	0.3	0.2	0.5	0.3	0.4	0.4	0.4
talking w/faculty outside class	7.1	10.0	6.0	7.0	4.4	3.7	4.9	5.2	11.3	12.2	4.0
exercising or sports	5.3	3.5	3.1	7.7	5.0	5.2	3.5	5.6	6.1	6.5	3.1
reading for pleasure	20.6	19.9	17.6	26.2	15.5	14.6	17.5	16.0	16.0	16.8	10.0
using a personal computer	15.7	17.3	8.9	17.7	13.5	13.3	12.8	14.3	20.7	20.3	23.9
partying	12.0	8.6	14.2	14.2	12.4	11.6	6.7	16.9	13.7	13.5	15.9
working (for pay)	23.7	27.1	24.8	21.9	21.7	23.5	20.9	19.4	29.7	32.0	11.7
volunteer work	59.0	61.1	53.1	62.5	54.2	54.3	52.6	55.0	71.0	74.8	41.8
student clubs and groups	41.7	48.6	33.7	43.8	34.3	35.8	28.9	34.9	59.8	62.0	42.1
watching TV	6.3	5.0	12.3	5.4	7.1	8.7	4.1	6.2	3.3	3.2	3.6
commuting to campus	39.0	29.8	43.4	35.8	51.6	56.2	46.0	47.6	27.5	27.0	31.6
religious services or meetings	46.4	53.9	36.9	46.6	41.1	48.6	26.2	37.9	51.2	56.0	14.0
hobbies	19.3	22.4	18.7	17.6	18.3	18.7	16.4	18.8	20.4	21.8	9.0
Six or More Hours											
classes and labs	90.4	92.4	91.0	89.9	88.7	88.0	88.5	89.9	89.3	88.8	93.0
studying or homework	71.4	69.5	79.9	70.9	71.5	72.1	70.4	71.2	68.2	68.5	65.8
socializing with friends	77.6	80.4	81.2	74.4	77.4	78.3	79.0	75.0	70.3	71.3	62.9
talking w/faculty outside class	3.0	1.8	2.0	3.0	4.6	5.4	5.1	3.0	5.1	5.3	3.8
exercising or sports	28.6	28.6	29.0	26.2	31.4	30.3	31.2	33.3	26.7	26.7	26.1
reading for pleasure	8.5	7.3	5.1	9.0	10.1	9.0	7.8	13.2	10.2	10.7	6.4
using a personal computer	23.3	20.3	29.3	21.0	27.7	31.4	24.1	24.0	23.1	23.3	21.4
partying	32.7	37.7	35.5	29.5	30.2	31.4	37.1	24.2	39.7	41.2	28.4
working (for pay)	66.0	65.1	64.9	68.8	63.9	60.1	70.7	65.8	60.0	57.7	77.4
volunteer work	6.4	8.8	5.2	5.5	5.1	4.4	5.5	6.0	3.4	3.3	4.7
student clubs and groups	10.1	10.7	11.9	8.8	10.5	10.1	12.0	10.1	4.0	4.2	2.4
watching TV	28.8	33.9	23.6	27.5	26.7	26.3	31.7	24.3	38.6	39.6	30.3
commuting to campus	9.9	7.4	6.2	12.4	10.6	8.0	10.3	14.9	17.8	17.4	21.2
religious services or meetings	2.0	1.4	1.8	1.8	2.8	2.0	2.8	4.2	3.0	2.9	4.3
hobbies	10.5	10.7	10.0	10.7	10.1	10.2	8.7	10.6	14.1	13.3	20.3
Sixteen or More Hours											
classes and labs	42.7	46.4	38.9	41.5	41.5	40.7	40.8	43.1	45.8	45.6	47.6
studying or homework	25.4	24.3	34.7	25.3	23.7	24.9	22.3	22.5	18.6	18.7	17.9
socializing with friends	30.2	30.9	35.8	26.9	31.8	31.6	31.8	32.1	28.2	28.1	29.1
talking w/faculty outside class	0.4	0.7	0.2	0.1	0.4	0.3	1.1	0.1	1.2	1.1	1.6
exercising or sports	6.0	6.7	3.5	5.6	6.6	5.4	8.3	7.5	5.0	5.1	3.9
reading for pleasure	1.6	3.0	0.7	1.4	0.8	0.8	0.1	1.2	1.7	1.9	0.0
using a personal computer	5.3	4.6	6.8	5.7	5.0	6.0	4.3	3.8	6.2	5.9	8.8
partying	6.5	7.1	7.6	5.5	6.6	6.5	9.3	5.4	8.2	8.9	2.4
working (for pay)	38.1	38.3	33.0	43.1	33.4	28.0	42.1	36.9	36.6	35.6	44.5
volunteer work	3.0	4.8	0.9	3.5	1.3	0.8	1.2	2.1	1.5	1.4	2.3
student clubs and groups	2.3	2.4	3.4	1.9	2.3	2.1	3.6	1.7	0.9	1.0	0.4
watching TV	5.7	8.3	3.4	4.6	4.9	5.8	4.7	3.5	10.7	11.0	8.4
commuting to campus	1.3	0.4	0.7	1.2	2.6	1.8	1.1	4.6	3.1	2.8	5.5
religious services or meetings	0.6	0.6	0.0	0.7	0.7	0.5	1.2	0.8	1.2	1.3	0.5
hobbies	2.2	2.7	1.7	2.4	1.6	1.7	1.7	1.3	2.7	2.8	2.1

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986 (9)											
artist (including performer)	7.4	7.5	7.7	5.3	9.8	13.1	5.9	6.9	5.5	4.6	12.5
business	23.9	24.5	18.2	23.5	25.8	24.4	34.7	22.9	20.8	20.6	22.3
clergy or religious worker	0.2	0.0	0.1	0.0	0.8	0.5	0.8	1.1	0.0	0.0	0.0
college teacher	0.4	0.3	0.6	0.5	0.4	0.4	0.6	0.3	0.2	0.3	0.0
doctor (MD or DDS)	5.6	5.9	10.9	3.0	6.8	6.4	6.2	7.7	1.6	1.6	1.8
education (secondary)	3.7	2.6	2.2	5.0	3.7	2.2	3.2	6.3	3.0	2.9	4.0
education (elementary)	5.2	2.4	1.2	8.4	5.4	4.4	6.1	6.7	4.1	3.2	11.2
engineer	8.2	12.7	12.7	6.3	4.2	6.1	3.0	2.0	14.4	16.2	0.7
farmer or forester	0.7	1.3	0.0	0.5	0.6	1.1	0.2	0.2	3.6	4.1	0.0
health professional (non-M.D.)	4.8	6.1	3.0	5.3	3.1	2.7	3.0	3.9	3.5	3.3	5.0
lawyer	4.7	3.5	8.5	3.9	5.7	6.3	4.7	5.3	2.2	2.2	2.2
nurse	2.4	0.8	1.8	4.6	1.5	1.2	4.4	0.5	4.1	4.5	1.2
research scientist	2.1	2.7	3.7	1.1	2.0	2.1	1.3	2.4	0.5	0.5	0.0
other choice	18.0	17.0	15.8	22.0	15.0	15.6	14.4	14.4	24.6	25.1	20.8
undecided	12.7	12.6	13.7	10.5	15.1	13.5	11.5	19.3	11.8	11.0	18.3
Probable Career in 1990 (9)											
artist (including performer)	6.3	4.8	8.3	5.6	8.3	11.0	4.7	6.4	3.9	3.5	7.4
business	25.5	29.3	23.4	22.6	25.6	20.4	33.3	29.1	25.5	24.9	30.1
clergy or religious worker	0.4	0.1	0.6	0.1	1.0	1.0	0.9	1.0	0.4	0.3	1.5
college teacher	2.3	1.8	3.4	0.8	4.2	3.8	3.5	5.2	0.3	0.2	0.8
doctor (MD or DDS)	2.7	3.4	6.6	0.8	3.2	3.8	3.0	2.4	0.9	0.8	1.7
education (secondary)	4.9	3.1	3.3	6.1	6.0	7.1	3.4	5.6	2.0	1.9	2.5
education (elementary)	7.8	5.1	3.3	11.4	7.9	6.3	8.4	10.2	9.0	8.9	9.8
engineer	5.6	8.8	8.4	4.3	2.9	3.9	1.1	2.3	9.0	10.1	0.0
farmer or forester	1.2	1.6	0.5	1.2	0.8	1.5	0.0	0.3	3.2	3.6	0.4
health professional (non-M.D.)	3.3	4.0	2.4	3.8	2.3	1.9	3.0	2.3	2.8	3.0	1.2
lawyer	4.7	4.4	10.0	3.3	4.9	6.6	4.7	2.2	2.5	2.7	0.8
nurse	2.7	3.2	2.1	3.0	2.0	1.9	3.7	1.3	3.4	2.9	7.1
research scientist	2.0	2.0	2.0	1.5	2.6	3.0	1.4	2.6	0.8	0.8	0.6
other choice	25.4	23.9	19.1	31.5	21.5	20.5	21.4	23.0	32.2	32.5	29.8
undecided	5.1	4.6	6.7	3.9	6.9	7.2	7.5	6.0	4.1	3.8	6.4
Religious Preference in 1986											
Protestant	30.8	30.9	22.7	29.7	34.5	33.0	10.3	50.8	25.9	24.0	42.1
Roman Catholic	34.6	30.8	43.3	36.1	34.2	26.8	77.7	20.3	39.3	42.0	15.1
Jewish	3.5	3.5	6.2	3.3	2.8	5.2	0.2	0.4	6.1	6.7	0.7
other	19.7	18.5	18.8	23.0	17.2	17.7	7.4	22.1	22.0	20.4	36.4
none	11.4	16.3	8.9	7.9	11.4	17.2	4.3	6.4	6.8	6.9	5.7
Religious Preference in 1990											
Protestant (10)	44.0	40.6	37.0	46.7	46.8	46.2	14.0	66.6	42.7	38.4	76.8
Roman Catholic	31.6	29.1	41.4	31.3	31.5	23.1	74.0	20.1	40.8	44.1	14.1
Jewish	3.5	3.7	5.6	3.4	2.9	5.5	0.2	0.3	5.0	5.5	0.6
other (10)	4.7	4.4	1.8	6.1	4.3	5.4	3.5	3.1	4.5	4.4	5.3
none	16.1	22.2	14.2	12.4	14.6	19.9	8.2	9.9	7.1	7.6	3.2

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (8)											
agriculture	1.2	1.7	0.0	2.1	0.1	0.1	0.1	0.0	3.3	3.7	0.5
biological sciences	5.3	5.0	7.6	5.8	4.4	5.1	3.6	3.7	3.6	3.7	3.0
business	23.3	23.1	19.7	21.0	27.5	26.6	38.9	22.3	26.8	26.6	28.8
education	8.6	4.6	3.7	13.6	8.3	6.7	7.2	11.3	8.6	7.5	17.5
engineering	9.4	12.9	15.1	8.9	4.5	6.3	2.8	2.7	14.0	15.6	1.4
English	1.7	2.3	2.6	0.9	1.9	2.2	2.2	1.2	0.6	0.7	0.4
health professional	8.2	9.0	9.3	8.1	7.1	4.8	10.7	8.8	6.5	6.6	5.0
history or political science	3.9	3.3	7.6	2.6	5.0	4.9	4.4	5.6	0.9	0.8	1.4
humanities	2.3	2.3	3.4	1.1	3.7	4.6	3.0	2.5	3.5	3.6	2.6
fine arts	4.0	4.3	4.3	2.2	5.9	8.6	1.3	4.1	4.9	4.3	9.5
mathematics or statistics	1.2	1.4	1.1	1.2	0.8	0.8	0.4	1.0	1.0	1.1	0.0
physical sciences	2.5	2.8	2.6	2.5	1.9	1.9	0.9	2.6	0.4	0.4	0.5
social sciences	7.3	8.3	4.8	6.6	8.1	8.0	8.8	7.9	3.3	3.1	4.9
other technical	5.1	3.2	2.7	8.0	4.2	3.8	2.1	5.9	9.3	9.1	10.7
other non-technical	7.2	6.2	7.8	7.9	7.2	6.8	7.3	7.6	8.2	8.0	9.5
undecided	8.7	9.5	7.8	7.4	9.6	8.7	6.5	12.7	5.0	5.1	4.4
Major Reported in 1990 (8)											
agriculture	0.8	1.4	0.0	0.9	0.2	0.4	0.0	0.0	4.0	4.4	0.4
biological sciences	4.3	4.4	4.9	3.2	5.6	5.7	4.6	5.9	1.4	1.2	2.6
business	21.1	22.8	18.7	18.4	23.5	18.6	32.6	26.3	30.2	30.9	24.8
education	11.0	6.8	4.8	15.4	12.1	12.0	8.6	14.0	12.1	10.9	21.6
engineering	6.9	9.5	11.2	6.3	3.2	4.1	1.7	2.8	10.1	11.4	0.0
English	3.7	3.5	6.0	2.4	4.6	5.3	3.4	4.2	1.6	1.6	1.5
health professional	4.3	5.9	3.9	4.0	3.0	2.3	4.9	3.2	5.2	4.6	9.2
history or political science	7.0	5.8	14.9	5.6	7.7	8.1	9.0	6.5	4.1	4.3	2.1
humanities	2.6	2.5	4.4	0.8	4.6	4.7	5.7	4.0	2.1	1.9	3.9
fine arts	4.2	3.5	4.7	3.1	6.2	8.6	2.2	4.6	3.7	3.3	7.0
mathematics or statistics	1.4	2.1	1.1	1.3	0.9	0.8	0.6	1.1	1.0	1.2	0.0
physical sciences	2.1	1.9	2.6	2.1	2.0	2.1	0.8	2.6	0.9	1.1	0.0
social sciences	15.0	15.7	11.7	16.3	13.7	14.2	12.3	13.5	6.6	6.6	6.2
other technical	5.0	2.9	3.4	8.6	3.2	3.1	2.0	3.9	4.9	4.7	7.0
other non-technical	9.5	11.1	7.8	9.1	8.6	8.9	10.8	6.9	10.7	10.6	11.4
undecided	1.2	0.3	0.0	2.5	0.8	1.0	0.7	0.6	1.3	1.2	2.4
Plans for Fall 1990											
attend college full-time	37.2	44.7	26.6	42.3	25.8	26.0	23.3	26.9	34.3	33.9	37.0
attend college part-time	9.5	9.1	2.4	11.5	9.5	9.6	7.3	10.8	11.5	10.2	22.1
attend graduate school	11.9	10.9	21.3	8.9	13.9	14.0	16.4	12.3	6.4	5.9	10.1
attend vocational program	1.3	0.7	1.4	1.5	1.6	1.0	1.1	2.9	1.5	1.7	0.0
work full-time	44.6	40.4	43.7	41.5	53.2	53.0	56.4	51.9	51.8	52.2	48.0
work part-time	26.9	31.0	19.9	27.4	24.2	24.1	26.2	23.2	25.3	25.0	27.7
serve in Armed Forces	3.0	1.4	2.7	5.6	1.5	1.3	3.0	0.9	2.6	2.6	2.1
travel	5.1	4.2	4.1	6.0	5.3	6.9	5.3	2.6	5.1	5.5	2.3
do volunteer work	9.7	13.2	10.6	6.8	9.1	9.1	10.3	8.4	4.2	4.0	5.7
stay at home	7.1	5.7	5.4	9.2	6.6	6.3	7.7	6.5	9.0	8.9	9.6

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
College Objectives Noted as Being of High Priority											
allow airing of diff opinions...	25.5	24.1	25.0	20.8	33.0	41.5	22.9	25.6	22.9	22.4	27.2
conduct basic & applied research	29.3	56.5	42.5	15.8	12.0	15.1	8.0	9.3	25.2	27.6	5.9
create multi-cultural environ...	25.4	21.9	26.9	23.1	31.6	40.6	23.0	22.6	22.6	20.9	36.2
create positive undergrad exp...	40.6	30.1	49.3	36.9	54.1	54.0	56.4	52.8	35.1	32.4	56.8
devel apprec of multi-cultrl soc	23.3	17.2	27.8	21.6	30.5	36.3	22.1	26.2	17.1	16.7	20.5
devel community among fac/stdnts	24.0	13.9	25.6	20.0	39.4	38.6	42.8	38.6	24.2	21.0	49.7
devel leadership abil in stdnts.	27.7	16.8	26.4	30.7	36.1	38.7	35.7	32.3	23.6	22.0	36.6
devel leadership ability in fac.	15.6	17.7	14.7	11.9	18.1	18.5	13.7	20.0	13.7	12.9	20.3
economize and cut costs.....	24.3	23.1	24.2	27.2	22.0	25.4	17.5	19.4	19.3	19.7	16.1
enhance inst's national image...	49.8	55.5	68.9	38.9	50.8	52.6	44.5	51.6	34.0	33.0	41.9
facilitate cmty svcs involvement	16.8	9.0	26.6	15.0	24.2	25.2	28.6	20.2	12.4	11.4	20.4
help solve soc/eviron problems..	13.6	11.1	12.4	12.7	17.7	21.7	11.2	15.2	12.3	12.9	7.1
help students understand values.	25.8	14.3	39.9	18.9	42.4	39.4	49.5	43.0	24.3	20.9	52.1
hire faculty "stars".....	10.2	14.2	20.7	6.5	7.1	7.0	5.7	8.0	6.4	6.9	2.4
increase minorities in fac/admin	20.0	22.9	18.3	19.2	18.2	22.0	12.3	15.8	19.3	19.7	16.1
increase women in fac/admin.....	13.6	10.3	9.1	13.4	18.7	23.9	14.8	12.9	9.9	9.9	9.9
increase/maintain inst prestige.	54.8	57.5	72.6	43.2	60.9	61.1	62.8	59.5	41.0	40.2	47.3
promote intellectual development	53.4	46.2	69.6	46.1	65.1	64.1	65.3	66.5	39.7	37.6	57.1
raise money for the institution.	51.1	58.7	65.4	32.9	60.9	59.5	61.0	63.0	32.8	30.5	51.2
recruit more minority students..	24.9	24.0	24.7	23.8	27.2	32.9	19.5	22.7	22.8	22.2	28.0
teach students how to change soc	14.6	8.3	17.5	14.2	20.9	24.9	16.9	17.0	11.7	11.5	13.2
DISAGGREGATED RESPONSES											
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Studying or Doing Homework											
none.....	1.1	1.9	0.6	0.9	0.8	0.7	0.7	0.9	2.8	3.1	0.4
1-2.....	15.4	16.0	9.7	18.1	13.3	15.9	9.4	11.4	16.6	16.2	19.7
3-5.....	29.1	33.1	24.0	26.5	29.7	26.4	25.6	37.3	33.2	32.1	42.8
6-10.....	29.8	24.8	31.6	33.4	30.0	28.5	36.9	28.2	29.9	30.8	23.1
11-15.....	15.2	16.4	17.6	13.3	15.5	16.4	17.1	13.2	12.2	12.5	9.6
16-20.....	5.4	3.8	10.4	4.9	6.2	7.3	5.9	4.8	3.0	2.9	3.5
20-30.....	3.0	2.9	4.3	2.2	3.7	4.3	2.7	3.3	2.1	2.3	0.8
more than 30.....	1.0	1.0	1.9	0.8	0.8	0.5	1.8	0.8	0.1	0.2	0.0
Socializing with Friends											
none.....	0.2	0.1	0.4	0.2	0.5	0.2	0.3	1.0	0.0	0.0	0.0
1-2.....	3.1	3.3	2.6	2.8	3.5	2.9	4.2	4.1	3.6	2.5	13.2
3-5.....	13.8	12.3	11.8	16.0	13.5	15.2	10.4	12.8	14.4	15.4	6.3
6-10.....	24.4	26.3	31.0	20.6	24.9	23.9	25.7	26.0	23.4	23.5	23.3
11-15.....	23.1	24.7	21.4	23.9	21.1	17.4	25.2	24.5	19.3	18.7	23.7
16-20.....	16.0	14.9	16.5	16.6	16.3	18.4	16.5	13.0	16.4	16.9	12.6
20-30.....	8.6	9.5	8.4	8.7	7.4	7.9	7.3	6.7	11.6	11.9	9.4
more than 30.....	10.7	9.0	8.0	11.2	12.7	14.0	10.4	12.0	11.2	11.1	11.5

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1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Talking w/Teacher Outside Class											
none	18.3	19.9	15.4	21.1	13.9	14.0	10.9	15.3	19.9	20.2	17.9
1-2	55.5	56.2	55.9	54.2	56.3	52.5	63.7	58.1	57.2	58.0	50.9
3-5	18.1	15.9	22.1	16.5	21.2	24.1	18.4	18.4	14.8	13.7	24.1
6-10	5.7	6.3	5.4	6.0	4.8	5.8	5.1	3.2	4.9	5.2	2.7
11-15	1.4	1.1	0.4	1.0	2.5	2.1	0.7	4.2	2.0	2.0	2.1
16-20	0.7	0.6	0.6	1.0	0.5	0.6	0.1	0.7	0.7	0.5	2.2
20-30	0.2	0.0	0.1	0.3	0.2	0.4	0.3	0.0	0.3	0.4	0.0
more than 30	0.2	0.1	0.0	0.0	0.5	0.5	0.8	0.2	0.0	0.0	0.0
Exercising or Sports											
none	6.6	4.7	3.1	8.5	7.2	5.9	6.2	9.8	7.9	8.0	7.2
1-2	16.5	16.2	17.1	16.6	16.7	17.1	14.3	17.4	15.9	15.4	20.4
3-5	22.1	25.7	24.9	19.9	20.1	19.6	23.9	18.7	29.2	29.1	29.7
6-10	20.0	21.3	18.1	18.2	21.3	23.1	19.0	19.9	19.3	19.6	16.2
11-15	16.9	15.2	17.6	17.1	18.1	20.6	14.7	16.3	15.3	15.9	10.6
16-20	9.0	8.6	10.2	9.2	8.7	7.8	11.4	8.7	7.2	6.7	11.5
20-30	4.8	5.6	4.6	4.6	4.4	3.0	5.9	5.6	2.5	2.6	2.1
more than 30	4.1	2.7	4.5	5.9	3.4	2.9	4.5	3.7	2.7	2.8	2.3
Using a Personal Computer											
none	49.4	50.7	49.1	48.1	49.6	51.5	50.1	46.5	54.2	54.6	51.1
1-2	26.0	24.9	29.7	24.6	27.9	28.6	28.0	26.9	21.8	21.7	22.1
3-5	14.8	14.5	14.3	15.3	14.7	13.1	13.6	17.8	15.4	14.9	19.4
6-10	6.5	7.2	4.2	7.8	4.7	3.2	5.6	6.5	5.6	5.8	4.4
11-15	2.0	1.8	1.5	2.5	1.9	2.3	1.7	1.3	1.3	1.3	0.9
16-20	0.8	0.5	1.0	1.2	0.5	0.5	0.1	0.6	0.6	0.6	0.5
20-30	0.2	0.2	0.2	0.2	0.2	0.0	0.7	0.3	0.5	0.6	0.0
more than 30	0.3	0.1	0.0	0.3	0.4	0.7	0.2	0.2	0.7	0.6	1.6
Partying											
none	17.2	13.9	19.5	16.2	21.4	21.3	12.4	26.8	17.2	16.1	26.1
1-2	19.8	19.2	22.8	19.2	20.4	19.8	18.9	22.3	20.5	20.8	17.8
3-5	26.0	25.7	25.3	27.0	25.4	27.4	31.1	19.0	19.0	19.1	17.8
6-10	18.6	22.2	17.5	19.0	14.3	14.3	18.6	11.9	19.1	18.8	20.7
11-15	8.4	7.5	7.7	8.8	9.0	8.4	10.8	8.9	9.5	10.2	4.4
16-20	4.3	5.0	3.5	3.5	4.9	4.4	3.9	6.2	6.7	6.7	6.5
20-30	3.1	3.0	1.7	4.0	2.5	2.4	2.3	2.9	2.2	1.9	4.1
more than 30	2.5	3.5	1.9	2.3	2.1	2.1	2.1	2.0	5.9	6.4	2.5
Working (For Pay)											
none	28.8	27.3	34.4	27.8	30.1	32.0	25.9	29.6	22.0	21.1	29.4
1-2	3.8	4.1	5.0	2.4	5.0	5.4	3.5	5.4	3.7	3.6	4.1
3-5	7.1	5.3	8.4	6.7	9.1	9.9	8.5	8.1	5.5	4.5	13.1
6-10	10.1	9.1	11.3	11.0	9.8	8.8	11.3	10.4	7.5	7.3	8.8
11-15	14.6	16.3	14.1	14.9	12.5	12.3	14.6	11.5	15.3	16.3	7.5
16-20	18.2	19.7	15.0	19.7	15.6	15.7	17.8	14.1	19.9	20.1	18.3
20-30	11.0	14.0	6.5	10.5	9.8	9.6	10.5	9.7	15.0	15.7	9.6
more than 30	6.4	4.3	5.3	7.1	8.2	6.4	7.8	11.2	11.1	11.4	9.2

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Volunteer Work											
none	52.7	54.7	41.2	55.7	50.4	51.2	42.6	53.7	58.1	58.9	51.2
1-2	29.9	30.4	32.4	27.8	31.2	30.7	35.6	29.5	27.0	26.9	27.6
3-5	11.1	9.2	17.4	10.3	12.2	12.0	15.5	10.7	9.2	8.8	12.6
6-10	3.7	4.1	5.7	2.9	3.7	3.9	3.0	3.7	3.0	2.7	5.1
11-15	1.3	0.9	1.7	1.6	1.2	1.5	1.8	0.5	1.5	1.3	2.8
16-20	0.4	0.1	0.2	0.9	0.3	0.1	1.3	0.0	1.2	1.2	0.6
20-30	0.2	0.0	0.5	0.3	0.1	0.3	0.1	0.0	0.0	0.0	0.0
more than 30	0.6	0.5	0.8	0.6	0.8	0.3	0.2	2.0	0.2	0.2	0.0
Student Clubs and Groups											
none	29.5	31.6	16.4	32.7	27.5	26.1	27.4	29.6	46.2	49.6	19.1
1-2	29.0	29.8	27.6	27.9	29.9	30.5	26.4	31.1	23.1	21.5	35.5
3-5	23.8	22.0	30.1	22.6	25.4	25.3	26.8	24.7	15.4	13.4	30.9
6-10	11.1	11.9	14.6	10.3	10.0	10.0	11.1	9.4	10.5	10.7	9.0
11-15	3.8	3.0	7.9	3.3	4.2	4.8	3.9	3.4	3.1	3.2	1.6
16-20	1.5	0.6	1.5	2.1	1.8	2.2	2.0	1.0	1.1	0.9	2.1
20-30	0.7	0.9	0.7	0.6	0.6	0.6	0.7	0.5	0.6	0.6	1.3
more than 30	0.5	0.1	1.1	0.6	0.7	0.5	1.6	0.4	0.0	0.0	0.4
Watching TV											
none	6.8	7.5	9.8	5.8	6.5	7.6	7.6	4.0	5.3	5.4	4.0
1-2	25.4	29.9	29.8	21.2	24.5	23.9	24.3	25.4	21.7	21.3	24.6
3-5	31.3	29.5	29.5	31.7	33.5	36.9	31.5	29.3	27.8	27.2	32.4
6-10	20.6	19.3	18.7	23.2	19.4	17.5	21.9	21.1	27.2	27.5	25.1
11-15	8.2	8.3	6.9	9.2	7.2	5.8	7.3	9.2	9.2	9.5	7.2
16-20	3.8	3.0	2.0	3.1	6.1	4.7	5.6	8.7	5.7	5.8	5.3
20-30	1.9	1.5	1.7	2.8	1.2	1.1	1.0	1.6	1.6	1.6	1.5
more than 30	1.9	0.9	1.5	3.1	1.7	2.6	0.8	0.7	1.5	1.7	0.0
Religious Services or Meetings											
none	32.7	39.0	23.4	31.1	31.0	38.0	23.6	24.4	35.9	38.1	17.7
1-2	49.2	48.3	48.8	51.5	47.4	41.8	64.1	46.4	48.2	48.6	44.3
3-5	14.0	10.3	22.3	13.5	16.0	16.0	9.2	20.0	13.2	10.7	33.3
6-10	3.0	2.0	4.7	2.9	3.7	3.1	1.1	6.3	2.2	1.9	4.4
11-15	0.6	0.1	0.6	0.5	1.1	0.6	0.3	2.3	0.1	0.1	0.3
16-20	0.2	0.2	0.0	0.0	0.3	0.3	0.4	0.3	0.2	0.2	0.0
20-30	0.1	0.0	0.2	0.0	0.1	0.1	0.2	0.1	0.3	0.4	0.0
more than 30	0.2	0.0	0.0	0.4	0.4	0.1	1.1	0.3	0.0	0.0	0.0
Hobbies											
none	10.9	11.7	9.6	10.5	10.8	10.9	8.9	11.8	9.6	10.1	5.5
1-2	29.0	32.0	30.3	28.2	26.4	24.0	30.4	27.9	24.7	23.2	37.2
3-5	33.6	29.8	34.1	35.4	35.1	37.7	32.7	32.4	36.5	38.0	24.1
6-10	15.2	14.4	14.3	14.6	17.2	17.0	16.0	18.2	19.9	20.1	18.9
11-15	5.3	5.2	6.8	5.2	5.2	5.0	4.0	6.3	3.1	2.8	5.4
16-20	2.6	2.5	2.6	2.6	2.7	3.6	2.8	1.2	3.4	3.3	4.1
20-30	1.9	3.8	1.0	1.2	1.1	0.8	2.6	0.7	1.2	1.0	2.0
more than 30	1.5	0.6	1.3	2.3	1.5	1.0	2.5	1.6	1.6	1.5	2.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities: Pub	Universities: Priv	Four-year Colleges: All Pub	Four-year Colleges: All Priv	Four-year Colleges: Nons	Four-year Colleges: Cath	Four-year Colleges: Prot	Two-year Colleges: All	Two-year Colleges: Pub	Two-year Colleges: Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Classes or Labs											
none	1.1	0.8	2.2	1.0	1.3	1.8	2.2	0.1	1.2	1.3	0.1
less than one	0.7	0.5	0.4	0.9	0.7	1.1	1.2	0.0	0.2	0.3	0.0
1-2	1.8	1.5	1.5	2.5	1.2	1.8	0.4	0.9	3.5	3.6	2.7
3-5	6.0	4.7	4.9	5.8	8.0	7.4	7.8	9.1	5.9	6.1	4.2
6-10	14.3	10.5	13.2	16.9	15.4	17.2	12.6	14.2	15.6	15.2	18.8
11-15	33.4	35.5	38.9	31.5	31.8	30.0	35.1	32.6	27.9	28.0	26.6
16-20	28.5	33.1	29.7	24.5	28.1	26.4	30.0	29.6	27.4	26.4	35.2
more than 20	14.2	13.3	9.2	17.0	13.4	14.4	10.8	13.5	18.4	19.2	12.4
Studying or Homework											
none	0.2	0.3	0.4	0.0	0.2	0.4	0.3	0.0	0.7	0.8	0.0
less than one	0.6	0.3	0.4	0.6	0.9	0.9	1.1	0.7	0.5	0.5	1.0
1-2	5.7	5.5	4.3	7.1	4.6	3.3	5.7	6.0	9.6	10.2	5.5
3-5	22.1	24.3	15.1	21.3	22.8	23.3	22.6	22.2	20.8	20.0	27.7
6-10	27.4	25.9	26.1	28.1	28.4	28.8	30.7	26.4	31.3	31.1	32.6
11-15	18.7	19.3	19.2	17.5	19.4	18.4	17.4	22.2	18.3	18.7	15.3
16-20	13.5	12.5	14.1	14.4	13.4	15.0	12.2	11.5	10.9	10.9	10.8
more than 20	11.9	11.8	20.6	10.9	10.3	9.9	10.1	11.0	7.6	7.7	7.1
Socializing with Friends											
none	0.3	0.0	0.0	0.5	0.3	0.2	0.5	0.3	0.4	0.4	0.4
less than one	0.6	0.7	0.7	0.8	0.4	0.3	0.8	0.3	2.0	2.1	0.9
1-2	5.2	3.8	3.0	7.9	4.0	4.3	3.7	3.6	7.7	6.8	14.3
3-5	16.3	15.0	15.1	16.4	17.9	16.9	15.9	20.7	19.6	19.4	21.5
6-10	26.9	27.7	24.0	27.9	25.6	22.8	31.3	26.7	28.2	29.1	21.5
11-15	20.6	21.9	21.4	19.6	20.0	24.0	15.9	16.2	13.9	14.1	12.3
16-20	12.9	12.6	14.4	12.1	13.8	12.7	11.2	17.0	9.2	9.1	10.2
more than 20	17.3	18.3	21.4	14.8	18.0	18.9	20.6	15.2	19.0	19.1	18.9
Talking w/Faculty Outside Class											
none	7.1	10.0	6.0	7.0	4.4	3.7	4.9	5.2	11.3	12.2	4.0
less than one	38.3	43.7	43.0	37.8	31.4	26.7	35.8	36.0	38.6	39.4	32.0
1-2	37.8	34.5	39.4	37.4	41.4	44.1	42.1	37.0	34.3	32.5	48.7
3-5	13.8	9.9	9.6	14.7	18.2	20.2	12.0	18.7	10.7	10.6	11.5
6-10	2.2	0.9	1.6	2.0	3.9	4.5	4.0	2.8	3.2	3.4	2.1
11-15	0.5	0.2	0.1	0.9	0.4	0.6	0.0	0.2	0.7	0.8	0.0
16-20	0.3	0.7	0.2	0.0	0.2	0.2	0.5	0.1	1.0	0.9	1.6
more than 20	0.1	0.0	0.0	0.1	0.1	0.1	0.6	0.0	0.2	0.2	0.0
Exercising or Sports											
none	5.3	3.5	3.1	7.7	5.0	5.2	3.5	5.6	6.1	6.5	3.1
less than one	12.3	12.4	13.5	10.6	13.9	12.9	10.4	17.4	11.0	10.8	12.5
1-2	24.7	25.6	22.4	25.9	22.7	23.7	28.1	17.9	25.2	25.0	27.1
3-5	29.1	29.9	32.0	29.5	27.1	28.0	26.8	25.7	31.1	31.0	31.2
6-10	16.6	16.9	21.2	14.9	17.1	14.8	17.0	20.6	17.4	17.3	18.3
11-15	5.9	5.0	4.2	5.7	7.8	10.1	6.0	5.3	4.3	4.4	3.9
16-20	2.8	3.6	1.7	1.9	3.3	2.9	3.2	4.0	2.8	2.9	2.4
more than 20	3.2	3.0	1.8	3.7	3.3	2.5	5.1	3.4	2.1	2.2	1.5

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Reading for Pleasure											
none	20.6	19.9	17.6	26.2	15.5	14.6	17.5	16.0	16.0	16.8	10.0
less than one	26.9	28.8	29.0	24.6	26.9	24.2	25.1	32.1	22.9	22.2	29.0
1-2	29.4	27.4	30.8	28.9	32.0	33.6	33.4	28.5	28.5	28.1	31.2
3-5	14.6	16.7	17.6	11.3	15.5	18.6	16.2	10.2	22.4	22.3	23.5
6-10	5.3	3.4	3.4	6.2	6.8	6.8	6.5	6.9	6.9	7.1	5.1
11-15	1.6	1.0	1.0	1.4	2.5	1.4	1.2	5.1	1.7	1.7	1.3
16-20	0.8	1.5	0.3	0.5	0.6	0.5	0.0	1.0	0.0	0.0	0.0
more than 20	0.8	1.4	0.4	0.9	0.2	0.3	0.1	0.2	1.7	1.9	0.0
Using a Personal Computer											
none	15.7	17.3	8.9	17.7	13.5	13.3	12.8	14.3	20.7	20.3	23.9
less than one	16.3	18.4	13.1	17.5	13.8	12.9	13.5	15.2	20.5	20.4	21.7
1-2	21.7	23.0	20.0	21.2	21.5	20.8	20.6	23.1	19.2	19.2	18.6
3-5	22.9	20.9	28.6	22.7	23.5	21.6	29.0	23.3	16.5	16.8	14.4
6-10	13.0	11.4	15.7	11.5	15.9	16.5	14.2	15.7	12.8	13.4	8.6
11-15	5.0	4.4	6.8	3.7	6.8	8.8	5.5	4.5	4.0	4.0	4.0
16-20	2.2	2.1	2.8	2.0	2.4	2.8	2.2	1.9	2.4	1.6	8.8
more than 20	3.1	2.6	4.0	3.7	2.6	3.2	2.1	1.8	3.8	4.3	0.0
Partying											
none	12.0	8.6	14.2	14.2	12.4	11.6	6.7	16.9	13.7	13.5	15.9
less than one	11.1	9.8	9.3	10.6	13.6	16.2	9.5	11.8	8.9	7.9	16.7
1-2	18.2	17.5	14.6	18.7	19.5	16.9	18.9	24.1	16.9	16.8	17.5
3-5	26.0	26.3	26.4	27.0	24.3	24.0	27.8	22.9	20.7	20.7	21.5
6-10	18.7	20.8	19.6	18.8	15.7	15.6	18.7	14.3	22.2	23.1	14.9
11-15	7.5	9.8	8.2	5.2	7.8	9.4	9.1	4.5	9.3	9.1	11.1
16-20	3.4	3.3	4.5	2.8	3.9	4.0	4.8	3.3	2.7	3.0	0.0
more than 20	3.0	3.8	3.2	2.6	2.7	2.5	4.5	2.1	5.5	5.9	2.4
Working (For Pay)											
none	23.7	27.1	24.8	21.9	21.7	23.5	20.9	19.4	29.7	32.0	11.7
less than one	1.7	1.5	1.4	1.7	2.0	1.7	1.2	2.8	0.9	0.9	1.3
1-2	3.1	2.6	3.3	3.6	2.9	3.5	1.5	2.7	3.7	3.4	6.0
3-5	5.6	3.7	5.7	4.0	9.6	11.2	5.6	9.3	5.8	6.0	3.6
6-10	14.5	11.2	18.3	13.6	18.3	20.1	14.4	17.6	12.8	11.7	21.8
11-15	13.3	15.7	13.6	12.1	12.2	12.0	14.3	11.3	10.5	10.4	11.1
16-20	16.1	19.4	17.0	14.9	13.8	14.2	16.7	11.5	12.5	12.6	12.0
more than 20	22.0	18.8	16.0	28.2	19.6	13.8	25.3	25.4	24.1	23.1	32.5
Volunteer Work											
none	59.0	61.1	53.1	62.5	54.2	54.3	52.6	55.0	71.0	74.8	41.8
less than one	13.6	12.3	16.0	12.5	15.7	13.8	18.5	17.2	11.8	9.0	34.3
1-2	14.7	12.6	16.9	13.8	17.4	20.6	13.0	14.9	6.7	5.9	12.7
3-5	6.4	5.2	8.8	5.8	7.6	7.0	10.3	6.9	7.0	7.1	6.6
6-10	2.5	3.2	3.1	1.5	2.8	2.7	3.6	2.6	1.8	1.8	2.1
11-15	0.8	0.9	1.2	0.5	1.0	0.9	0.7	1.3	0.0	0.0	0.3
16-20	0.8	1.3	0.5	0.6	0.5	0.0	0.9	1.0	0.2	0.1	0.5
more than 20	2.3	3.5	0.4	2.9	0.8	0.7	0.2	1.1	1.4	1.3	1.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Student Clubs/Groups											
none	41.7	48.6	33.7	43.8	34.3	35.8	28.9	34.9	59.8	62.0	42.1
less than one	11.5	8.5	13.0	11.4	14.4	16.0	16.1	10.9	10.9	10.2	15.8
1-2	21.8	18.8	22.8	21.9	24.7	21.9	30.3	25.9	16.9	15.4	28.4
3-5	14.9	13.3	18.7	14.2	16.2	16.2	12.7	18.2	8.4	8.1	11.2
6-10	5.8	6.6	5.8	5.1	5.8	5.8	6.2	5.6	2.6	2.8	1.7
11-15	2.0	1.8	2.6	1.8	2.4	2.2	2.2	2.8	0.5	0.5	0.3
16-20	0.8	0.8	1.1	0.8	0.8	0.7	0.9	1.0	0.0	0.0	0.4
more than 20	1.4	1.6	2.3	1.2	1.4	1.4	2.6	0.7	0.9	1.0	0.0
Watching TV											
none	6.3	5.0	12.3	5.4	7.1	8.7	4.1	6.2	3.3	3.2	3.6
less than one	12.1	10.8	12.4	12.4	12.9	13.1	11.6	13.3	12.1	12.7	7.1
1-2	21.4	20.4	25.6	19.7	23.4	23.5	24.4	22.8	22.0	21.1	29.1
3-5	31.3	29.9	26.0	35.0	29.9	28.3	28.2	33.5	24.1	23.4	29.8
6-10	16.6	17.3	16.3	15.5	17.3	15.9	22.0	16.8	20.1	20.5	16.3
11-15	6.6	8.3	3.9	7.4	4.4	4.6	4.9	3.9	7.8	8.0	5.6
16-20	3.1	5.5	1.9	2.4	1.9	2.2	1.8	1.5	5.9	6.4	2.0
more than 20	2.5	2.8	1.5	2.2	3.0	3.6	2.9	2.1	4.8	4.6	6.4
Commuting to Campus											
none	39.0	29.8	43.4	35.8	51.6	56.2	46.0	47.6	27.5	27.0	31.6
less than one	18.4	20.5	22.7	18.1	15.0	14.2	16.6	15.3	19.6	19.6	19.8
1-2	16.8	18.4	17.0	18.8	12.5	11.1	11.5	15.4	17.4	17.8	14.9
3-5	15.9	23.8	10.7	14.9	10.2	10.5	15.6	6.8	17.6	18.2	12.5
6-10	7.5	6.2	5.4	10.2	6.0	4.5	5.9	8.5	10.7	10.3	13.8
11-15	1.1	0.8	0.0	1.0	2.0	1.7	3.3	1.8	4.0	4.3	2.0
16-20	0.3	0.3	0.0	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.5
more than 20	1.0	0.2	0.7	0.8	2.2	1.4	0.9	4.3	2.6	2.3	5.0
Religious Services or Meetings											
none	46.4	53.9	36.9	46.6	41.1	48.6	26.2	37.9	51.2	56.0	14.0
less than one	23.4	22.1	22.9	24.8	23.3	18.8	29.1	26.8	20.5	20.0	24.5
1-2	22.1	19.0	22.2	22.4	25.2	21.3	38.6	23.6	20.9	18.6	39.5
3-5	6.1	3.6	16.3	4.4	7.6	9.4	3.3	7.5	4.3	2.6	17.6
6-10	1.0	0.7	1.6	1.0	1.3	1.1	1.0	1.8	1.8	1.6	3.4
11-15	0.3	0.1	0.2	0.1	0.9	0.4	0.7	1.7	0.1	0.0	0.5
16-20	0.2	0.3	0.0	0.0	0.5	0.4	0.1	0.8	0.0	0.0	0.0
more than 20	0.4	0.4	0.0	0.7	0.2	0.1	1.0	0.0	1.2	1.3	0.5
Hobbies											
none	19.3	22.4	18.7	17.6	18.3	18.7	16.4	18.8	20.4	21.8	9.0
less than one	24.4	24.7	23.7	27.1	20.8	17.3	20.1	26.8	19.5	19.8	17.4
1-2	29.1	25.5	29.6	29.9	31.7	33.0	32.9	28.9	25.9	25.1	31.8
3-5	16.8	16.7	18.1	14.7	19.1	20.9	21.9	14.8	20.1	20.0	21.6
6-10	5.7	6.0	7.0	5.0	5.8	6.2	5.5	5.4	8.9	7.9	16.6
11-15	2.6	2.0	1.4	3.3	2.7	2.3	1.5	3.9	2.5	2.6	1.6
16-20	1.1	1.5	0.6	1.4	0.4	0.1	0.4	0.8	1.9	2.0	1.1
more than 20	1.2	1.2	1.0	1.0	1.2	1.7	1.3	0.5	0.8	0.8	1.0

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986											
accountant or actuary	5.6	5.6	4.2	6.1	5.6	2.8	7.4	8.7	3.5	3.0	7.8
actor or entertainer	1.2	1.2	0.8	0.7	2.0	3.0	1.0	1.1	0.7	0.8	0.1
architect or urban planner	1.1	1.7	2.0	1.0	0.3	0.6	0.0	0.1	3.3	3.7	0.0
artist	1.3	0.8	0.8	0.7	2.6	4.5	1.0	0.5	2.6	2.3	5.0
business (clerical)	0.4	0.4	0.2	0.5	0.2	0.0	0.7	0.3	3.5	3.2	5.6
business executive (management)	11.9	12.6	11.1	10.6	13.1	13.2	19.2	9.8	12.6	13.5	5.6
business owner or proprietor	5.1	5.6	2.9	4.8	5.8	7.0	5.7	4.2	1.6	1.3	3.9
business salesperson or buyer	1.2	0.7	0.0	1.9	1.3	1.5	2.4	0.3	3.0	2.8	5.1
clergy (minister,priest)	0.1	0.0	0.1	0.0	0.5	0.4	0.7	0.6	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.0	0.0	0.3	0.1	0.1	0.6	0.0	0.0	0.0
clinical psychologist	1.5	1.6	0.0	0.8	2.8	3.4	3.8	1.5	0.1	0.0	0.8
college teacher	0.4	0.3	0.6	0.5	0.4	0.4	0.6	0.3	0.2	0.3	0.0
computer programmer or analyst	3.2	1.9	1.9	5.2	2.6	2.8	1.4	3.0	2.2	2.4	0.6
conservationist or forester	0.4	0.7	0.0	0.3	0.2	0.3	0.1	0.2	1.7	1.9	0.0
dentist (including orthodontist)	1.0	0.8	1.1	1.1	1.1	0.5	0.5	2.3	0.3	0.3	0.4
dietitian or home economist	0.1	0.2	0.0	0.0	0.2	0.2	0.5	0.0	0.1	0.0	0.6
engineer	8.2	12.7	12.7	6.3	4.2	6.1	3.0	2.0	14.4	16.2	0.7
farmer or rancher	0.4	0.6	0.0	0.2	0.4	0.8	0.1	0.0	1.9	2.2	0.0
frgn svc worker (incl diplomat)	1.3	1.4	3.1	0.6	1.5	1.2	1.3	1.9	0.6	0.7	0.0
homemaker (full-time)	0.2	0.1	0.9	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
interior decorator or designer	0.5	0.5	0.5	0.3	0.8	1.4	0.8	0.0	0.3	0.3	0.4
intepreter (translator)	0.2	0.2	0.5	0.1	0.2	0.2	0.0	0.2	0.0	0.0	0.0
lab technician or hygienist	0.7	0.1	0.3	1.5	0.4	0.7	0.3	0.0	1.6	1.6	1.4
law enforcement officer	0.4	0.0	0.0	0.8	0.3	0.1	1.1	0.1	2.1	2.1	1.7
lawyer (attorney) or judge	4.7	3.5	8.5	3.9	5.7	6.3	4.7	5.3	2.2	2.2	2.2
military service (career)	1.6	0.9	0.8	3.3	0.3	0.5	0.5	0.0	0.4	0.5	0.0
musician (performer,composer)	0.8	0.4	0.9	1.1	0.8	0.7	0.0	1.4	0.9	0.4	4.8
nurse	2.4	0.8	1.8	4.6	1.5	1.2	4.4	0.5	4.1	4.5	1.2
optometrist	0.1	0.0	0.2	0.1	0.2	0.1	0.2	0.4	0.1	0.0	1.0
pharmacist	0.6	0.8	1.3	0.6	0.2	0.3	0.0	0.0	0.7	0.7	0.4
physician	4.6	5.1	9.7	1.9	5.7	5.9	5.7	5.4	1.3	1.3	1.4
school counselor	0.3	0.2	0.6	0.3	0.2	0.1	0.2	0.2	0.3	0.3	0.4
school principal/superintendent	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
scientific researcher	2.1	2.7	3.7	1.1	2.0	2.1	1.3	2.4	0.5	0.5	0.0
social,welfare,recreational work	1.5	0.6	1.2	2.5	1.2	1.0	1.1	1.6	2.0	2.3	0.0
statistician	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.2	0.1	0.7
therapist (phys,occup,speech)	2.3	3.6	0.7	2.2	1.6	0.9	1.8	2.7	0.6	0.5	1.6
teacher (elementary)	5.2	2.4	1.2	8.4	5.4	4.4	6.1	6.7	4.1	3.2	11.2
teacher (secondary)	3.4	2.3	1.6	4.6	3.5	2.1	3.0	6.0	2.7	2.6	3.6
veterinarian	0.9	1.5	0.4	0.8	0.6	0.5	0.2	0.9	0.4	0.4	0.0
writer or journalist	3.5	4.6	4.6	2.4	3.5	3.4	3.1	3.9	0.9	0.8	2.1
skilled trades	0.1	0.0	0.3	0.1	0.1	0.1	0.0	0.2	0.9	1.0	0.0
other	6.6	8.1	5.0	6.7	5.4	5.8	4.4	5.3	9.4	9.1	11.4
undecided	12.7	12.6	13.7	10.5	15.1	13.5	11.5	19.3	11.8	11.0	18.3

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1990											
accountant or actuary	4.5	4.3	4.3	5.1	4.1	2.7	9.0	3.5	3.2	3.4	1.7
actor or entertainer	0.7	0.5	1.2	0.1	1.5	1.7	1.3	1.2	0.1	0.1	0.0
architect or urban planner	1.2	1.1	2.6	1.5	0.3	0.5	0.2	0.2	0.9	1.1	0.0
artist	1.7	1.5	0.7	1.3	2.8	4.9	0.9	0.7	0.9	1.0	0.6
business (clerical)	0.5	0.3	0.4	0.7	0.4	0.2	0.2	0.8	4.7	5.0	2.5
business executive (management)	15.0	17.8	14.0	11.6	16.3	13.0	18.4	20.1	18.4	17.6	24.8
business owner or proprietor	2.8	4.0	1.8	1.9	2.7	2.2	2.4	3.7	1.5	1.4	1.7
business salesperson or buyer	3.3	3.2	3.4	4.0	2.5	2.6	3.4	1.8	2.3	2.4	1.9
clergy (minister,priest)	0.2	0.1	0.6	0.0	0.5	0.6	0.7	0.2	0.4	0.3	1.5
clergy (other religious)	0.2	0.0	0.0	0.1	0.5	0.4	0.1	0.8	0.0	0.0	0.0
clinical psychologist	2.0	3.0	0.8	2.0	1.5	1.4	0.9	1.8	0.5	0.4	0.9
college teacher	2.3	1.8	3.4	0.8	4.2	3.8	3.5	5.2	0.3	0.2	0.8
computer programmer or analyst	3.5	3.3	2.5	5.1	2.1	2.3	0.9	2.6	2.1	2.1	2.2
conservationist or forester	0.7	0.5	0.5	0.9	0.6	1.1	0.0	0.2	2.1	2.3	0.4
dentist (including orthodontist)	0.3	0.5	0.2	0.0	0.4	0.2	0.4	0.6	0.5	0.4	0.6
dietitian or home economist	0.3	0.4	0.0	0.2	0.3	0.0	1.1	0.3	0.0	0.0	0.0
engineer	5.6	8.8	8.4	4.3	2.9	3.9	1.1	2.3	9.0	10.1	0.0
farmer or rancher	0.5	1.1	0.0	0.3	0.2	0.4	0.0	0.1	1.1	1.3	0.0
frgn svc worker (incl diplomat)	0.7	0.3	1.0	0.3	1.4	1.7	2.0	0.6	0.5	0.5	0.7
homemaker (full-time)	0.2	0.1	1.0	0.0	0.3	0.2	0.3	0.4	0.2	0.0	1.9
interior decorator or designer	0.3	0.6	0.2	0.2	0.2	0.4	0.2	0.0	0.1	0.0	1.2
intepreter (translator)	0.1	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0
lab technician or hygienist	0.9	0.4	0.0	1.8	0.7	0.8	0.0	0.8	0.5	0.5	0.0
law enforcement officer	1.1	1.0	1.2	1.4	0.7	0.7	0.7	0.9	2.1	2.0	2.4
lawyer (attorney) or judge	4.7	4.4	10.0	3.3	4.9	6.6	4.7	2.2	2.5	2.7	0.8
military service (career)	1.7	0.4	0.7	4.1	0.5	0.3	1.5	0.2	1.8	1.9	0.9
musician (performer,composer)	0.6	0.4	0.8	0.7	0.8	0.3	0.1	1.8	0.8	0.4	3.3
nurse	2.7	3.2	2.1	3.0	2.0	1.9	3.7	1.3	3.4	2.9	7.1
optometrist	0.1	0.1	0.0	0.2	0.1	0.2	0.0	0.1	0.0	0.0	0.0
pharmacist	0.4	0.6	1.2	0.3	0.2	0.2	0.2	0.1	0.5	0.6	0.0
physician	2.5	2.9	6.3	0.8	2.8	3.5	2.6	1.9	0.5	0.4	1.1
school counselor	0.4	0.1	0.3	0.8	0.2	0.2	0.2	0.0	0.1	0.0	0.9
school principal/superintendent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	2.0	2.0	2.0	1.5	2.6	3.0	1.4	2.6	0.8	0.8	0.6
social,welfare,recreational work	3.5	2.1	1.6	5.8	2.8	2.3	2.8	3.6	4.2	4.1	4.6
statistician	0.2	0.3	0.0	0.1	0.1	0.1	0.2	0.0	0.3	0.3	0.0
therapist (phys,occup,speech)	1.3	2.1	1.2	1.0	1.0	0.7	1.7	1.1	1.4	1.4	1.2
teacher (elementary)	7.8	5.1	3.3	11.4	7.9	6.3	8.4	10.2	9.0	8.9	9.8
teacher (secondary)	4.5	3.0	2.9	5.2	5.8	6.9	3.1	5.6	1.9	1.9	1.6
veterinarian	0.3	0.5	0.1	0.3	0.0	0.0	0.0	0.0	0.4	0.5	0.0
writer or journalist	3.0	1.9	5.4	3.3	3.1	3.6	2.3	2.7	2.0	2.0	2.2
skilled trades	0.5	0.5	0.0	0.6	0.6	0.8	0.0	0.7	3.0	3.1	2.5
other	10.3	11.5	7.3	9.8	10.6	9.8	11.8	11.1	12.0	12.1	11.2
undecided	5.1	4.6	6.7	3.9	6.9	7.2	7.5	6.0	4.1	3.8	6.4

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986	—										
ARTS AND HUMANITIES											
art, fine and applied	1.8	1.7	1.5	0.9	3.3	5.8	1.1	0.6	2.4	1.8	7.1
English (language & literature)	1.7	2.3	2.6	0.9	1.9	2.2	2.2	1.2	0.6	0.7	0.4
history	0.8	0.5	2.3	0.7	0.9	1.0	0.6	0.8	0.1	0.0	0.7
journalism	1.9	2.2	3.0	1.7	1.4	1.7	1.5	0.9	0.5	0.4	1.6
language/literature (except Eng)	0.9	1.5	0.6	0.5	0.9	1.2	0.1	0.9	0.2	0.1	0.5
music	1.1	0.5	1.3	0.7	2.2	2.2	0.0	3.5	0.3	0.0	2.4
philosophy	0.1	0.0	0.2	0.0	0.3	0.4	0.4	0.2	0.0	0.0	0.0
speech	0.2	0.4	0.3	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0
theater or drama	0.6	0.2	1.2	0.4	1.1	1.7	1.4	0.0	2.1	2.1	1.6
theology or religion	0.2	0.0	0.0	0.0	0.6	0.3	0.5	1.1	0.3	0.3	0.5
other arts and humanities	0.5	0.6	1.4	0.2	0.7	1.0	0.5	0.3	1.0	1.1	0.0
BIOLOGICAL SCIENCES											
biology (general)	3.1	2.1	3.5	4.4	2.6	3.0	1.5	2.4	2.0	2.1	1.2
biochemistry or biophysics	0.6	0.9	1.1	0.2	0.7	0.9	0.9	0.4	0.4	0.4	0.0
botany	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.6	0.5	0.6	0.9	0.3	0.4	0.3	0.1	0.3	0.2	0.5
microbiology or bacteriology	0.3	0.3	1.7	0.0	0.3	0.0	0.4	0.5	0.6	0.6	0.0
zoology	0.3	0.6	0.0	0.1	0.3	0.5	0.0	0.1	0.0	0.0	0.0
other biological science	0.3	0.3	0.6	0.2	0.3	0.3	0.4	0.2	0.5	0.4	1.3
BUSINESS											
accounting	5.0	4.6	4.4	6.2	4.1	2.5	8.7	3.9	3.9	3.4	7.9
business admin (general)	7.0	4.4	6.1	5.3	12.2	13.2	10.8	11.4	8.1	8.1	8.8
finance	2.9	4.9	3.6	2.3	1.4	0.9	3.5	0.9	0.9	0.9	0.7
marketing	2.6	3.1	1.2	2.0	3.3	3.7	5.8	1.2	3.2	3.3	2.4
management	4.1	4.3	2.9	3.7	4.8	4.8	6.9	3.7	5.3	5.9	0.8
secretarial studies	0.2	0.0	0.0	0.3	0.3	0.0	0.6	0.6	4.7	4.6	5.5
other business	1.4	1.7	1.4	1.1	1.5	1.6	2.6	0.6	0.7	0.4	2.7
EDUCATION											
business education	0.2	0.0	0.0	0.5	0.1	0.0	0.5	0.0	0.4	0.4	0.5
elementary education	4.6	2.1	1.4	7.2	5.0	4.5	4.7	5.9	4.3	3.7	9.2
music or art education	0.5	0.1	0.0	1.1	0.2	0.1	0.0	0.4	0.5	0.5	1.0
physical education or recreation	0.8	0.3	0.9	1.0	0.9	0.4	0.0	2.1	0.2	0.0	1.9
secondary education	1.5	1.3	0.4	1.9	1.5	1.1	1.2	2.2	2.3	2.4	2.2
special education	0.7	0.3	0.8	1.2	0.6	0.5	0.7	0.7	0.7	0.6	1.6
other education	0.4	0.5	0.2	0.6	0.0	0.0	0.0	0.1	0.1	0.0	1.0
ENGINEERING											
aeronautical/astronautical eng	2.2	2.5	1.1	3.5	0.6	0.6	0.7	0.6	2.4	2.6	0.8
civil engineering	0.7	0.9	2.5	0.4	0.2	0.3	0.2	0.1	0.6	0.6	0.0
chemical engineering	0.5	0.8	1.1	0.3	0.3	0.4	0.3	0.3	1.8	2.0	0.0
electrical engineering	2.6	3.1	4.7	2.4	1.7	2.6	0.7	0.7	6.0	6.7	0.0
industrial engineering	0.4	0.7	0.6	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.0
mechanical engineering	2.0	3.9	2.7	1.1	0.9	1.4	0.6	0.3	2.0	2.3	0.0
other engineering	1.1	1.1	2.4	1.0	0.6	0.8	0.3	0.5	1.2	1.2	0.6

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.2	0.2	0.0
chemistry	0.9	0.7	1.1	0.9	1.2	1.1	0.5	1.7	0.1	0.0	0.5
earth science	0.2	0.3	0.1	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0
marine science	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.2	1.4	1.1	1.2	0.8	0.8	0.4	1.0	1.0	1.1	0.0
physics	0.8	0.8	1.2	0.9	0.6	0.6	0.1	0.8	0.1	0.2	0.0
statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical science	0.2	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture or urban planning	0.9	1.7	1.3	0.5	0.2	0.4	0.0	0.0	2.2	2.5	0.0
home economics	0.4	0.7	0.0	0.3	0.3	0.4	0.3	0.3	0.0	0.0	0.0
health technology (med,dent,lab)	1.4	0.7	0.3	2.2	1.4	0.9	0.7	2.5	3.0	2.9	3.7
library or archival science	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	2.2	0.9	1.4	3.9	1.7	1.1	3.9	1.3	4.0	4.3	1.1
pharmacy	0.5	0.7	0.8	0.5	0.1	0.2	0.0	0.1	0.6	0.7	0.0
predent,premed,prevet	3.7	5.1	5.8	1.7	4.0	2.5	5.5	5.4	0.9	0.8	1.5
therapy (occup,phys,speech)	1.8	2.3	1.2	1.9	1.3	0.9	1.3	2.0	1.0	0.8	2.3
other professional	0.8	0.7	0.4	0.8	1.0	0.8	1.2	1.4	1.3	1.4	0.8
SOCIAL SCIENCES											
anthropology	0.1	0.0	0.0	0.1	0.2	0.2	0.2	0.0	0.2	0.2	0.0
economics	0.6	0.2	1.9	0.0	1.3	1.5	0.8	1.3	0.0	0.0	0.0
ethnic studies	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.2	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	3.1	2.9	5.3	1.9	4.2	3.9	3.9	4.8	0.8	0.8	0.7
psychology	5.0	7.0	1.8	3.8	5.5	5.0	7.0	5.4	1.1	0.7	4.9
social work	0.6	0.2	0.4	1.1	0.5	0.5	0.2	0.8	1.5	1.7	0.0
sociology	0.4	0.0	0.1	0.9	0.4	0.5	0.2	0.3	0.0	0.0	0.0
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social science	0.4	0.8	0.0	0.3	0.2	0.3	0.4	0.0	0.4	0.5	0.0
TECHNICAL											
building trades	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.6	0.0
data processing or computer prog	1.1	0.8	0.8	1.7	1.0	0.9	0.7	1.2	1.9	1.3	7.0
drafting or design	0.3	0.1	0.0	0.4	0.4	0.5	0.0	0.4	1.0	1.2	0.0
electronics	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	1.3	1.4	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.2	0.8	0.9	0.0
OTHER											
agriculture	1.1	1.5	0.0	1.8	0.0	0.1	0.0	0.0	1.9	2.1	0.0
communications (radio,TV,etc.)	2.2	1.4	2.9	2.3	2.8	2.6	1.6	3.8	3.2	3.2	2.5
computer science	2.2	1.5	1.6	3.6	1.3	1.4	0.6	1.6	1.2	1.4	0.0
forestry	0.2	0.2	0.0	0.3	0.0	0.0	0.1	0.0	1.5	1.6	0.5
law enforcement	0.7	0.0	0.3	1.2	0.9	0.6	2.8	0.4	1.5	1.5	1.7
military science	0.2	0.0	0.0	0.5	0.1	0.1	0.0	0.0	0.2	0.2	0.0
other field	1.0	1.2	0.8	1.1	0.7	0.7	0.0	0.9	1.1	0.8	3.0
undecided	8.7	9.5	7.8	7.4	9.6	8.7	6.5	12.7	5.0	5.1	4.4

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990											
ARTS AND HUMANITIES											
art, fine and applied	2.4	1.7	2.1	1.6	4.4	7.1	0.9	2.0	1.8	1.7	2.6
English (language & literature)	3.7	3.5	6.0	2.4	4.6	5.3	3.4	4.2	1.6	1.6	1.5
history	2.6	2.0	6.0	2.5	2.3	1.7	2.7	3.2	1.6	1.8	0.7
journalism	1.5	2.0	2.3	1.6	0.5	0.6	0.4	0.2	0.5	0.3	2.3
language/literature (except Eng)	0.8	1.1	1.5	0.3	1.0	1.2	1.1	0.6	0.1	0.0	0.5
music	0.6	0.4	0.6	0.5	1.2	0.9	1.2	1.7	0.6	0.1	4.4
philosophy	0.3	0.2	0.8	0.0	0.7	0.7	1.4	0.4	0.0	0.0	0.0
speech	0.5	0.4	0.5	0.7	0.3	0.2	0.0	0.8	0.2	0.2	0.0
theater or drama	0.5	0.4	0.9	0.1	1.2	1.2	1.2	1.0	0.1	0.2	0.0
theology or religion	0.2	0.1	0.0	0.0	0.5	0.5	0.3	0.6	0.1	0.0	0.8
other arts and humanities	0.8	0.8	1.3	0.4	1.3	1.0	1.7	1.4	1.9	1.8	2.6
BIOLOGICAL SCIENCES											
biology (general)	3.0	2.3	3.3	2.5	4.4	4.4	3.7	4.8	0.9	0.8	1.5
biochemistry or biophysics	0.4	0.8	0.4	0.2	0.3	0.1	0.3	0.6	0.1	0.0	0.6
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
marine (life) science	0.1	0.0	0.0	0.1	0.2	0.5	0.0	0.0	0.1	0.0	0.5
microbiology or bacteriology	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.1	0.0	0.0	0.0
zoology	0.3	0.8	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
other biological science	0.3	0.2	0.9	0.2	0.4	0.5	0.6	0.3	0.4	0.4	0.0
BUSINESS											
accounting	4.4	4.1	5.2	4.7	4.1	3.4	9.9	1.8	4.2	4.6	1.0
business admin (general)	2.9	1.8	2.1	2.7	4.8	2.7	5.2	7.9	5.4	4.8	10.1
finance	3.5	5.5	4.9	2.1	2.5	1.8	6.0	1.7	1.9	2.0	1.1
marketing	3.1	3.4	3.5	2.3	3.7	3.2	6.1	3.4	4.5	4.4	5.3
management	5.2	6.0	2.2	4.8	5.8	7.3	3.1	4.9	5.2	5.4	4.1
secretarial studies	0.1	0.0	0.0	0.1	0.3	0.0	1.0	0.5	5.1	5.4	3.3
other business	1.8	2.0	0.8	1.6	2.3	0.3	1.2	6.1	4.0	4.5	0.0
EDUCATION											
business education	0.2	0.0	0.2	0.5	0.2	0.1	0.0	0.3	0.8	0.0	7.0
elementary education	5.7	3.8	2.3	8.5	5.2	3.0	5.9	8.2	8.7	8.6	9.6
music or art education	0.6	0.2	0.0	0.7	0.8	0.9	0.0	1.2	0.2	0.1	1.0
physical education or recreation	1.5	0.4	1.0	1.6	2.6	3.7	1.0	1.5	0.4	0.3	1.5
secondary education	1.6	1.3	0.7	2.0	1.9	2.0	0.6	2.4	1.5	1.5	1.2
special education	0.8	0.3	0.6	1.1	0.9	1.6	0.5	0.1	0.1	0.0	0.8
other education	0.7	0.6	0.0	1.0	0.5	0.6	0.6	0.4	0.3	0.3	0.5
ENGINEERING											
aeronautical/astronautical eng	0.8	0.6	0.3	1.7	0.2	0.1	0.1	0.3	0.5	0.6	0.0
civil engineering	0.9	1.3	2.6	0.4	0.4	0.8	0.0	0.1	1.7	1.9	0.0
chemical engineering	0.2	0.3	1.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
electrical engineering	1.8	2.6	2.1	1.6	1.1	1.0	0.4	1.5	4.0	4.5	0.0
industrial engineering	0.4	1.1	0.3	0.1	0.2	0.4	0.0	0.0	0.4	0.4	0.0
mechanical engineering	1.7	2.5	2.5	1.4	0.9	1.2	0.9	0.3	1.2	1.4	0.0
other engineering	1.0	1.1	2.4	1.1	0.5	0.5	0.2	0.6	1.9	2.1	0.0

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

ALL STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990 (cont)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.8	0.7	1.4	0.4	1.3	1.0	0.7	2.0	0.4	0.4	0.0
earth science	0.3	0.2	0.2	0.4	0.1	0.2	0.0	0.1	0.0	0.0	0.0
marine science	0.2	0.1	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0
mathematics	1.2	1.7	0.9	1.2	0.9	0.8	0.6	1.1	0.7	0.8	0.0
physics	0.6	0.7	0.8	0.5	0.6	0.9	0.0	0.4	0.6	0.6	0.0
statistics	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.0
other physical science	0.2	0.0	0.2	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture or urban planning	0.6	1.0	1.5	0.3	0.3	0.4	0.1	0.1	1.1	1.2	0.0
home economics	0.7	0.9	0.0	0.7	0.5	0.6	1.0	0.2	0.0	0.0	0.0
health technology (med,dent,lab)	1.5	0.6	0.0	3.5	0.5	0.3	0.4	1.0	0.9	0.6	2.7
library or archival science	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0
nursing	2.2	2.8	1.9	2.3	1.5	1.0	3.2	1.2	3.2	2.7	6.9
pharmacy	0.3	0.4	1.0	0.2	0.1	0.1	0.0	0.0	0.5	0.6	0.0
predent,premed,prevet	0.6	0.8	0.4	0.3	0.8	0.9	0.4	0.9	0.6	0.5	1.3
therapy (occup,phys,speech)	1.2	1.8	0.6	1.2	0.7	0.3	1.3	1.1	0.9	0.9	1.1
other professional	0.6	0.4	0.2	0.8	0.7	1.2	0.4	0.2	1.3	1.2	2.0
SOCIAL SCIENCES											
anthropology	0.4	0.1	0.9	0.4	0.5	0.6	0.2	0.5	0.2	0.3	0.0
economics	2.2	3.5	3.5	0.7	2.3	3.0	1.2	1.6	0.8	0.9	0.0
ethnic studies	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
geography	0.4	0.1	0.0	0.9	0.1	0.1	0.0	0.3	0.6	0.7	0.0
political science	4.4	3.8	8.9	3.1	5.4	6.4	6.3	3.4	2.4	2.6	1.4
psychology	7.0	8.5	4.8	6.3	6.7	6.5	9.0	5.8	1.9	1.8	2.6
social work	1.3	1.4	0.5	1.6	1.0	1.1	0.3	1.3	1.8	1.6	2.9
sociology	2.8	1.0	1.3	5.3	2.2	2.1	1.2	2.9	0.7	0.7	0.7
women's studies	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
other social science	1.0	1.0	0.8	1.2	0.8	0.7	0.4	1.1	0.5	0.6	0.0
TECHNICAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.5	0.6	0.0
data processing or computer prog	0.8	0.2	1.0	1.1	1.0	1.4	0.1	0.9	0.9	1.1	0.0
drafting or design	0.2	0.1	0.3	0.2	0.2	0.1	0.6	0.3	0.0	0.0	0.0
electronics	0.2	0.3	0.1	0.1	0.2	0.2	0.3	0.0	1.1	1.2	0.6
mechanics	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.5	0.0
other technical	0.1	0.1	0.0	0.0	0.2	0.2	0.0	0.2	0.8	0.7	1.7
OTHER											
agriculture	0.7	1.2	0.0	0.9	0.2	0.4	0.0	0.0	2.2	2.5	0.0
communications (radio,TV,etc.)	3.6	3.9	4.3	2.0	4.9	4.4	6.1	5.0	4.1	4.5	1.3
computer science	2.2	1.6	2.0	3.5	1.0	0.9	0.6	1.5	0.7	0.6	2.0
forestry	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.9	0.4
law enforcement	1.2	0.9	0.4	2.2	0.7	1.1	1.0	0.0	1.6	1.6	1.7
military science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other field	1.9	3.1	0.5	1.8	1.1	1.0	1.4	1.2	2.7	2.5	4.1
undecided	1.2	0.3	0.0	2.5	0.8	1.0	0.7	0.6	1.3	1.2	2.4

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1986	96.3	98.4	98.9	93.0	97.2	96.7	97.9	97.7	91.7	91.2	96.4
1985	1.3	0.7	0.6	1.6	1.7	2.5	1.4	0.6	4.1	4.1	3.6
1984	0.4	0.3	0.5	0.4	0.4	0.5	0.7	0.0	0.7	0.7	0.0
1983 or earlier	1.9	0.2	0.0	5.0	0.4	0.4	0.0	0.8	1.1	1.2	0.0
H.S. equivalency (GED test)	0.2	0.3	0.0	0.0	0.3	0.0	0.0	1.0	2.5	2.7	0.0
never completed high school	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Age on December 31, 1990											
20 or younger	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
21	2.2	2.2	4.8	2.0	1.6	1.8	1.8	1.1	1.4	1.1	*4.1*
22	75.8	80.1	81.0	71.1	75.0	77.9	69.5	72.9	75.3	77.2	*57.6*
23	18.3	15.1	13.7	19.9	21.6	18.5	27.1	23.9	16.7	15.0	*33.3*
24	1.8	2.4	0.0	2.0	1.3	1.5	0.8	1.3	2.7	2.6	*3.3*
25-28	0.2	0.2	0.5	0.0	0.3	0.4	0.7	0.0	3.1	3.3	*1.7*
29-33	0.2	0.0	0.0	0.3	0.2	0.0	0.0	0.8	0.1	0.1	*0.0*
34-43	1.6	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.7	0.7	*0.0*
44-58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
59 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
Racial Background (1)											
White/Caucasian	86.2	91.8	90.5	79.9	86.3	81.4	90.9	91.5	96.4	96.9	*91.6*
Black/Negro/Afro-American	7.3	1.8	3.2	11.4	9.8	15.1	4.6	4.1	0.8	0.1	*8.4*
American Indian	1.1	1.6	0.7	0.6	1.3	0.0	0.3	3.7	0.0	0.0	*0.0*
Asian-American/Oriental	3.0	4.6	4.5	2.2	1.4	2.1	0.6	0.8	1.1	1.2	*0.0*
Mexican-American/Chicano	2.7	1.9	0.6	5.4	1.1	0.8	2.2	0.9	0.0	0.0	*0.0*
Puerto Rican-American	0.3	0.5	0.6	0.4	0.0	0.0	0.1	0.0	0.5	0.5	*0.0*
other	1.0	1.1	1.7	0.5	1.3	1.6	1.6	0.8	5.3	5.8	*0.0*
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	94.1	94.2	99.6	92.1	94.6	97.5	94.9	89.5	96.2	97.7	81.7
mathematics (3 years)	94.1	92.2	98.1	95.4	93.3	93.2	92.6	93.9	91.6	93.4	74.8
foreign language (2 years)	76.0	83.8	92.4	70.4	68.2	64.7	85.6	65.1	67.4	68.8	*53.1*
physical science (2 years)	61.1	69.4	80.6	51.7	56.5	54.5	58.8	58.7	65.8	68.4	*36.9*
biological science (2 years)	33.6	36.1	34.1	30.4	34.5	32.6	31.7	39.1	36.4	36.3	*36.9*
history/American govt (1 year)	99.4	99.1	100.0	100.0	99.0	99.4	100.0	97.6	98.6	98.5	*100.0*
computer science (1/2 year)	69.8	75.7	69.4	67.6	66.0	65.3	76.5	61.7	66.8	67.4	60.6
art or music (1 year)	55.0	56.7	57.2	51.7	56.4	60.8	54.6	49.7	52.2	50.5	*70.1*
Took Credit Courses at Freshman College Before Enrollment											
no	96.7	97.9	97.3	95.0	97.4	96.9	95.3	99.3	98.3	98.6	95.6
yes	3.3	2.1	2.7	5.0	2.6	3.1	4.7	0.7	1.7	1.4	4.4
Status of Parents in 1986											
together	75.9	74.6	86.2	76.4	73.0	69.0	81.5	75.3	78.3	77.3	88.2
divorced or separated	18.1	17.3	10.3	18.2	21.6	24.8	10.4	22.0	17.1	17.7	11.8
one or both deceased	6.1	8.1	3.5	5.4	5.4	6.2	8.0	2.7	4.6	5.0	0.0

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	13.4	15.4	28.1	10.1	9.8	9.8	7.4	10.9	2.8	3.0	*1.4*
A-	13.5	17.3	27.5	7.4	11.5	11.1	10.6	12.8	8.1	8.8	*1.1*
B+	16.0	18.5	17.6	14.9	14.1	13.0	19.4	13.1	10.8	11.1	*7.7*
B	19.0	16.8	18.3	21.3	19.1	17.2	26.9	18.4	30.7	31.8	*20.7*
B-	13.4	12.5	4.9	14.1	16.6	14.1	18.8	19.6	23.4	24.2	*15.4*
C+	12.4	14.5	2.7	12.7	13.1	8.8	15.6	19.4	15.7	14.1	*31.8*
C	11.6	4.4	1.0	18.2	15.7	26.0	0.5	5.8	6.8	5.5	*20.2*
D	0.7	0.7	0.0	1.3	0.1	0.0	0.7	0.0	1.7	1.7	*1.7*
Average Undergraduate Grade											
A	5.0	4.5	8.6	3.4	6.2	5.0	7.4	7.7	2.1	2.0	*2.7*
B+,A-	24.9	25.8	36.9	21.3	23.9	24.3	21.7	24.5	15.2	14.8	*19.0*
B	31.9	30.9	38.6	28.9	34.4	35.6	35.4	31.6	31.4	30.5	*40.1*
C+,B-	27.4	26.8	12.1	34.0	25.4	24.4	26.5	26.6	31.7	33.3	*16.4*
C	9.2	10.9	3.2	10.2	8.2	9.1	6.1	7.9	18.0	17.8	*20.3*
C- or less	1.6	1.1	0.7	2.3	1.8	1.6	2.9	1.7	1.6	1.6	*1.5*
Degree Aspirations in 1986											
none	1.5	1.5	1.5	0.7	2.5	1.3	3.1	4.4	4.7	4.8	*3.7*
vocational certificate	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	2.2	2.4	*0.0*
associate (AA or equivalent)	0.4	0.2	0.0	0.5	0.6	0.7	0.0	0.7	11.1	11.5	*8.0*
bachelor's (BA, BS, etc)	30.1	31.3	14.4	32.5	31.7	34.7	28.7	27.7	51.1	50.3	*58.0*
master's (MA, MS)	39.9	44.7	39.7	39.9	34.1	33.6	35.0	34.5	21.1	21.2	*19.9*
PhD or EdD	12.6	11.2	18.6	10.8	14.1	13.7	13.9	15.1	2.8	2.4	*6.1*
MD, DO, DDS, DVM	7.3	7.4	12.1	5.4	7.8	6.9	8.1	9.1	4.1	4.2	*2.6*
LLB or JD (law)	4.7	2.9	11.5	3.7	5.7	7.5	5.1	2.7	2.8	3.1	*0.0*
BD or MDiv (divinity)	0.3	0.3	1.2	0.0	0.4	0.4	0.0	0.8	0.0	0.0	*0.0*
other	3.2	0.6	1.1	6.5	3.0	1.3	6.1	4.5	0.3	0.1	*1.7*
Highest Degree Earned by 1990											
none	49.0	56.0	27.2	61.2	33.4	32.4	20.2	42.3	39.9	40.9	*30.1*
vocational certificate	0.8	0.0	0.3	1.4	1.1	0.5	2.2	1.6	2.3	2.5	*0.0*
associate (AA or equivalent)	5.5	4.3	2.2	8.0	5.1	4.9	9.1	3.1	35.8	34.3	*50.5*
bachelor's (BA, BS, etc)	43.3	37.1	70.4	28.8	59.0	60.6	67.6	51.8	22.1	22.3	*19.4*
master's (MA, MS)	0.2	0.3	0.0	0.0	0.3	0.4	0.9	0.0	0.0	0.0	*0.0*
PhD or EdD	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
MD, DO, DDS, DVM	0.1	0.0	0.0	0.0	0.2	0.3	0.0	0.2	0.0	0.0	*0.0*
LLB or JD (law)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
BD or MDiv (divinity)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other	0.8	1.4	0.0	0.6	0.8	1.0	0.0	0.9	0.0	0.0	*0.0*
Degree Aspirations in 1990											
none	1.8	1.5	0.3	2.8	1.5	1.0	3.8	1.1	3.0	3.1	*1.8*
vocational certificate	0.2	0.3	0.0	0.2	0.2	0.4	0.0	0.0	1.3	1.4	*0.4*
associate (AA or equivalent)	1.5	1.2	0.0	2.2	1.7	1.8	0.8	2.1	6.4	7.0	*0.4*
bachelor's (BA, BS, etc)	31.6	37.2	12.5	35.2	26.9	25.4	22.7	31.6	51.3	51.4	*50.0*
master's (MA, MS)	39.7	39.4	43.9	40.4	37.4	37.1	36.5	38.5	28.3	27.4	*37.7*
PhD or EdD	11.7	7.1	17.7	10.4	17.1	18.4	17.5	15.0	3.1	2.7	*6.9*
MD, DO, DDS, DVM	3.9	5.1	8.4	1.4	3.9	3.6	5.2	3.7	1.6	1.5	*2.9*
LLB or JD (law)	7.5	6.9	14.7	6.7	6.6	7.4	10.0	3.3	4.5	4.9	*0.0*
BD or MDiv (divinity)	0.6	0.8	1.1	0.0	1.1	0.6	1.3	1.6	0.0	0.0	*0.0*
other	1.4	0.4	1.3	0.7	3.6	4.3	2.3	3.1	0.6	0.6	*0.0*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Freshman College Was Student's											
first choice	72.0	76.1	74.4	66.6	73.2	71.5	73.7	75.9	71.7	72.8	60.6
second choice	21.3	17.0	18.8	27.3	19.6	20.0	18.7	19.5	21.5	21.5	21.7
third choice	4.4	4.8	4.4	4.1	4.0	5.3	5.0	1.3	4.3	3.3	13.6
less than third choice	2.3	2.0	2.3	1.9	3.1	3.2	2.6	3.2	2.5	2.3	4.1
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	64.8	62.4	67.8	67.8	62.5	58.9	60.2	69.9	77.3	77.5	74.9
humanities courses	66.0	63.6	75.1	62.6	69.4	64.8	77.9	73.1	69.9	70.4	65.9
social science courses	67.1	64.5	74.4	69.5	64.6	59.7	74.3	68.0	70.2	70.7	*65.6*
courses in major field	77.4	77.2	84.7	76.1	76.7	75.8	83.3	74.8	79.3	78.7	84.9
general education requirements	55.0	45.0	67.9	56.3	60.5	60.7	62.9	58.8	55.0	53.5	*70.5*
relevance of coursework to life	48.1	45.2	57.5	44.2	53.4	46.7	62.6	60.3	48.7	47.4	60.9
overall quality of instruction	71.6	65.9	78.9	67.0	81.6	83.5	78.3	80.1	77.8	76.6	88.7
lab facilities and equipment	59.7	63.3	62.5	60.6	53.0	56.4	42.5	52.7	74.2	75.6	*61.1*
library facilities	73.1	88.2	71.8	67.9	62.1	63.6	55.9	62.6	75.7	76.5	68.0
computer facilities	69.2	69.9	72.8	70.6	65.5	67.2	63.9	63.2	80.1	81.5	*66.1*
oppty for interdisciplin courses	49.6	46.8	62.1	43.4	55.0	54.3	56.8	55.2	31.6	31.2	35.6
oppty to talk to professors	71.0	60.4	77.3	69.3	83.4	82.4	84.7	84.8	74.4	73.7	*82.0*
oppty for extracurr activities	76.7	75.0	84.4	71.8	81.4	81.1	81.2	81.9	69.2	68.1	*79.1*
campus social life	65.1	77.5	62.2	58.5	59.6	60.7	69.8	52.3	60.5	60.5	*60.9*
regulations on campus life	39.3	49.4	42.3	32.7	34.5	36.7	38.2	28.8	43.4	42.4	51.9
academic tutoring or assistance	54.7	47.1	61.0	52.2	63.7	66.5	60.6	60.4	57.7	57.7	57.3
academic advising	44.6	37.5	37.9	45.0	54.5	51.2	58.5	58.4	44.7	42.0	68.8
career counseling and advising	38.1	33.7	43.6	38.1	41.3	40.2	46.0	40.7	45.1	43.0	63.9
personal counseling	37.7	20.8	41.0	40.9	50.3	53.6	49.2	45.3	41.4	40.1	53.5
student housing	47.7	45.6	55.7	41.0	54.1	60.3	53.3	43.7	48.6	49.3	*43.6*
financial aid services	45.3	39.4	47.1	42.9	53.1	56.0	50.5	49.6	47.9	47.6	50.1
contact with faculty and admin	60.1	52.2	64.2	55.0	73.6	68.5	73.3	82.9	66.6	65.6	75.8
relations with faculty & admin	62.0	55.2	62.0	57.8	74.5	70.1	71.6	84.0	68.1	67.9	70.1
oppty to attend films,concerts	66.6	70.0	77.0	56.5	71.8	72.5	62.5	75.5	61.4	60.9	65.6
job placement services	41.1	44.8	55.3	33.9	40.7	41.8	40.1	38.9	45.7	45.5	47.9
campus health services	59.2	61.3	52.8	57.6	60.8	61.8	67.2	55.9	51.6	52.0	*46.9*
overall college experience	74.1	76.6	84.5	67.1	76.2	79.7	74.0	71.2	73.0	72.9	*74.2*
Enroll at Freshman College Again											
definitely yes	32.6	35.3	47.7	22.6	36.8	39.3	34.7	33.5	33.5	33.3	35.0
probably yes	33.3	32.0	31.4	37.6	30.0	29.6	28.6	31.5	33.9	34.4	29.0
don't know	3.7	3.2	4.4	4.1	3.5	3.5	4.8	2.6	4.5	5.0	0.0
probably not	15.7	13.7	10.0	19.1	16.1	16.2	17.2	15.2	16.9	16.0	24.8
definitely not	14.6	15.7	6.5	16.6	13.7	11.4	14.7	17.1	11.3	11.3	11.1
Distance from College to Home											
5 miles or less	6.2	3.9	4.6	10.0	4.8	5.3	6.5	3.0	11.6	11.5	13.4
6-10 miles	5.1	4.6	3.5	7.1	3.7	1.9	8.7	4.1	14.5	15.9	1.7
11-50 miles	20.0	15.7	12.4	24.9	21.6	16.3	31.6	25.6	39.0	38.9	39.0
51-100 miles	20.7	25.1	11.7	21.5	17.5	20.0	12.6	15.7	16.3	16.4	15.7
101-500 miles	34.9	43.0	36.6	27.3	34.6	35.1	23.9	39.3	18.1	17.4	25.3
more than 500 miles	13.1	7.6	31.2	9.2	17.8	21.3	16.8	12.3	0.4	0.0	4.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Took Time Off, Withdrew or Transferred											
no	62.4	69.6	70.4	56.0	59.0	57.4	65.6	58.0	56.8	57.7	*47.7*
transferred	23.1	18.3	13.9	25.4	29.5	31.7	23.5	28.9	15.2	14.4	*22.6*
withdrew	8.5	5.4	2.1	14.1	7.3	6.1	5.9	10.2	18.4	19.1	*11.6*
leave of absence	6.0	6.7	13.6	4.6	4.2	4.8	5.0	2.9	9.6	8.8	*18.0*
Reasons Noted as Very Important for Taking Time Off (4)											
reconsider goals & interests	46.9	56.2	22.0	48.5	42.9	44.2	23.7	49.2	28.4	27.2	*37.8*
changed career plans	30.0	45.7	15.8	21.4	31.7	32.1	14.6	38.7	23.6	22.8	*29.9*
wanted practical experience	22.0	36.2	9.9	19.1	16.5	9.8	17.4	28.6	18.5	20.1	*5.1*
didn't "fit in"	18.3	19.1	12.9	20.7	15.7	18.6	16.2	10.0	18.3	18.7	*15.1*
was bored with course work	22.5	36.3	6.4	24.7	11.2	8.3	19.0	13.0	10.2	11.1	*2.7*
wanted better acad reputation	28.7	25.3	8.0	39.4	21.8	20.5	29.4	20.8	15.9	16.1	*14.0*
wanted better social life	16.1	7.7	1.8	22.4	18.5	18.2	25.5	16.1	9.5	8.7	*16.0*
wanted to be closer to home	7.7	7.0	9.9	9.6	5.1	6.4	3.0	3.8	5.1	5.5	*2.1*
had good job offer	10.1	10.6	11.6	8.5	11.5	9.2	7.2	17.6	15.3	15.7	*11.6*
wasn't doing well academically	29.6	30.4	25.5	36.0	21.3	16.7	35.5	23.1	28.5	30.3	*13.5*
family responsibilities	7.6	7.6	15.1	6.4	7.3	6.7	3.1	10.3	10.8	11.1	*8.1*
tired of being student	8.4	15.6	2.0	6.9	5.5	6.9	3.6	3.9	5.0	5.0	*5.6*
couldn't afford college	18.1	17.8	25.9	15.5	20.1	15.0	28.7	25.8	21.3	20.4	*29.2*
wanted wider course selection	31.8	28.4	7.1	36.0	35.1	37.1	25.6	35.7	14.1	14.0	*15.0*
ENROLLMENT STATUS											
First Year											
attended first college full-time	99.0	99.7	99.7	98.6	98.5	98.8	96.5	99.1	98.1	98.3	*96.2*
attended first college part-time	0.7	0.3	0.0	1.1	0.9	0.8	1.0	0.9	0.9	0.6	*3.4*
attended diff college full-time.	0.2	0.0	0.3	0.2	0.5	0.1	2.5	0.0	0.0	0.0	*0.3*
attended diff college part-time.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	*0.0*
not enrolled	0.1	0.0	0.0	0.1	0.1	0.2	0.0	0.0	1.0	1.1	*0.0*
Second Year											
attended first college full-time	74.6	80.8	81.9	68.5	72.1	69.1	78.9	73.1	72.1	72.4	*69.3*
attended first college part-time	5.2	4.3	2.5	9.1	2.0	2.9	3.1	0.0	7.2	7.5	*4.1*
attended diff college full-time.	14.5	11.2	8.8	16.0	18.9	22.0	11.1	18.1	10.2	9.3	*18.5*
attended diff college part-time.	1.9	1.5	0.4	1.7	3.3	3.8	4.4	1.9	1.2	0.8	*5.1*
not enrolled	3.8	2.2	6.3	4.6	3.7	2.2	2.5	6.8	9.3	10.0	*3.0*
Third Year											
attended first college full-time	68.0	73.0	75.7	62.3	66.2	63.5	74.6	66.1	41.3	44.6	*8.8*
attended first college part-time	3.3	4.7	2.3	3.4	1.7	1.7	1.6	1.5	7.8	8.2	*3.7*
attended diff college full-time.	20.8	15.8	13.8	24.5	25.0	29.6	15.6	22.6	28.0	25.4	*54.5*
attended diff college part-time.	2.6	3.4	0.4	2.0	3.1	2.5	6.1	2.4	5.4	4.0	*19.9*
not enrolled	5.3	3.1	7.7	7.8	4.0	2.6	2.0	7.3	17.5	17.9	*13.1*
Fourth Year											
attended first college full-time	70.1	77.6	82.0	63.0	65.4	63.9	74.1	63.7	41.1	43.3	*14.6*
attended first college part-time	2.6	3.0	3.1	3.4	0.8	0.6	1.7	0.9	6.2	6.7	*0.0*
attended diff college full-time.	20.3	14.5	12.0	24.2	25.7	28.3	16.8	25.6	24.2	21.0	*63.6*
attended diff college part-time.	2.6	1.7	0.5	3.9	3.0	3.0	3.0	3.0	5.4	5.5	*5.0*
not enrolled	4.4	3.2	2.4	5.6	5.1	4.3	4.4	6.8	23.1	23.7	*16.7*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1986											
academic ability	68.4	81.3	90.1	58.4	58.0	54.5	62.2	61.7	53.1	53.7	47.0
artistic ability	27.6	30.5	31.6	25.2	25.9	26.5	22.3	26.7	22.0	22.2	*19.1*
drive to achieve	69.2	70.7	80.6	67.2	65.8	64.8	64.8	68.1	53.9	53.6	57.1
emotional health	64.8	65.2	76.4	63.3	62.1	59.3	68.1	63.9	61.5	62.4	53.1
foreign language ability	29.9	33.9	48.0	24.3	25.8	28.9	29.8	18.5	22.2	22.6	18.2
leadership ability	61.1	63.4	70.5	60.8	55.5	51.4	58.4	60.9	50.4	50.2	52.1
mathematical ability	55.8	66.4	75.4	47.1	47.3	49.1	47.9	43.9	43.6	45.5	25.8
physical health	74.3	79.8	77.6	72.3	69.1	69.5	70.7	67.7	70.2	70.0	72.1
popularity	51.4	54.7	64.3	48.1	47.1	46.4	47.7	48.1	40.2	40.3	39.1
self-confidence (intellectual)	64.5	72.1	81.9	56.6	59.3	54.8	63.8	64.6	56.2	57.0	48.8
self-confidence (social)	51.1	55.2	59.6	48.8	46.1	44.6	52.3	45.4	47.8	48.0	45.9
writing ability	43.2	43.1	61.7	39.9	40.7	41.3	47.6	36.1	28.0	27.1	36.2
in 1990											
academic ability	72.5	82.2	90.2	63.0	66.8	63.0	72.2	70.4	57.2	59.1	39.6
artistic ability	32.3	37.4	33.9	25.5	34.2	35.2	29.6	35.0	29.2	29.3	28.5
competitiveness	73.3	75.5	75.2	74.4	68.8	65.2	75.1	71.8	67.2	67.1	*68.4*
drive to achieve	73.9	75.0	79.9	73.6	70.9	70.5	73.6	70.1	61.7	61.2	66.9
emotional health	64.3	70.1	73.9	56.8	63.5	60.4	68.7	66.1	64.3	64.2	65.2
foreign language ability	30.4	38.3	46.0	21.4	26.7	27.6	25.9	25.6	15.8	16.4	10.0
leadership ability	69.7	68.7	79.9	67.8	69.8	66.1	77.8	71.9	61.0	61.5	56.4
mathematical ability	53.4	61.2	71.1	47.1	45.8	45.3	47.8	45.7	45.6	48.2	*20.5*
physical health	69.8	72.1	71.8	68.8	67.5	67.8	72.8	64.1	72.1	72.8	65.5
popularity	54.2	56.8	56.7	50.9	54.5	53.9	56.2	54.4	37.8	38.1	35.3
popularity with opposite sex	49.2	52.0	52.2	45.2	50.0	48.9	52.2	50.7	40.3	39.3	49.5
public speaking ability	47.4	46.9	60.5	43.2	48.4	45.5	55.7	49.4	29.9	29.6	32.5
self-confidence (intellectual)	68.9	70.9	86.9	62.7	68.0	71.4	63.8	64.4	54.8	55.6	47.5
self-confidence (social)	54.7	54.5	62.3	51.5	56.3	54.2	59.9	58.3	39.3	39.0	42.6
writing ability	56.8	62.0	70.9	48.9	55.5	56.3	59.5	52.1	40.4	40.2	43.0
Students Reporting Much Stronger Abilities and Skills in 1990											
general knowledge	50.9	58.3	57.0	41.7	51.6	51.2	58.0	48.9	38.0	36.1	*56.2*
problem-solving skills	33.5	38.6	35.7	31.6	29.0	30.6	29.1	26.3	30.3	31.5	*19.2*
knowledge of particular field	61.0	68.0	71.1	53.7	58.4	54.9	59.4	64.1	48.4	48.7	*46.0*
critical thinking ability	37.1	41.4	42.0	32.6	36.0	34.4	34.8	39.4	25.0	25.0	*24.7*
foreign language ability	8.5	11.7	10.8	4.8	8.7	8.6	2.6	12.0	2.1	1.7	*5.6*
job-related skills	35.5	36.0	34.7	34.4	36.8	36.8	31.9	39.3	31.9	32.1	*29.9*
religious beliefs & convictions	10.0	11.8	13.5	6.3	11.1	10.3	11.1	12.4	4.2	2.9	*16.9*
interest in grad/prof school	29.4	27.8	29.0	30.7	29.7	28.9	36.3	27.7	14.3	14.2	*14.5*
preparation for grad/prof school	25.9	30.2	30.1	21.5	24.9	27.0	23.1	22.1	7.8	7.4	*12.2*
leadership abilities	24.1	21.7	25.1	24.1	26.4	29.6	31.1	18.5	19.2	19.1	*19.7*
ability to work independently	32.7	33.4	29.5	31.2	34.8	36.9	34.1	31.7	37.0	37.7	*30.6*
interpersonal skills	28.9	31.5	31.7	26.4	27.8	29.1	30.5	24.1	19.2	19.2	*19.1*
cultural awareness	28.4	28.2	36.2	20.1	36.2	40.8	33.3	29.9	13.0	12.1	*21.6*
tolerance of different beliefs	23.9	22.1	31.1	19.7	28.6	29.9	24.7	28.2	13.5	12.9	*19.0*
acceptance of dif races/cultures	23.6	19.6	25.8	23.4	27.6	30.5	25.2	23.7	11.1	11.1	*10.6*
confidence in academic abilities	24.9	29.0	26.2	23.4	21.5	18.3	21.7	26.8	15.5	15.5	*16.0*
writing skills	18.7	22.9	23.7	14.8	16.9	19 0	16.7	13.4	8.3	8.2	*9.5*
public speaking ability	21.0	19.5	21.2	19.9	24.1	26.2	28.0	18.5	15.1	14.4	*21.7*
competitiveness	22.1	23.2	13.2	24.9	20.6	22.1	25.9	15.2	18.0	18.5	*12.5*
ability to work cooperatively	23.1	25.8	18.6	22.5	22.3	26.0	22.7	15.7	23.0	22.4	*28.6*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (Reported in 1986)											
be elected to student office....	3.8	3.6	4.8	3.6	3.8	5.7	2.5	1.3	1.9	2.1	*0.0*
be satisfied with college.....	51.1	49.0	70.3	48.2	50.3	50.7	48.7	50.3	41.3	40.7	*47.3*
change career choice.....	12.5	12.4	19.7	11.9	10.8	9.7	9.1	13.4	8.2	7.8	*12.1*
change major field.....	17.2	23.7	17.5	15.2	12.0	11.1	11.2	14.0	7.8	6.8	*18.5*
drop out permanently.....	0.5	1.0	0.5	0.0	0.7	0.6	1.0	0.6	0.0	0.0	*0.0*
drop out temporarily.....	1.4	1.6	5.6	0.3	0.9	0.9	1.3	0.6	1.6	1.6	*1.2*
fail one or more courses.....	2.1	0.5	1.2	3.8	2.3	2.0	1.9	3.0	1.2	1.0	*3.4*
get job to pay expenses.....	34.5	43.6	36.4	25.6	34.1	33.8	35.9	33.8	36.3	36.4	*34.5*
get married while in college....	4.6	8.4	6.1	2.4	2.2	1.2	4.7	2.6	3.0	2.8	*4.6*
graduate with honors.....	12.9	14.5	17.9	7.6	15.7	15.2	17.8	15.6	7.8	8.3	*2.6*
join social frat or sorority....	17.9	20.7	30.3	14.5	14.3	11.6	14.1	19.0	12.3	12.8	*8.1*
make at least "B" average.....	41.3	44.9	60.9	34.2	38.8	36.0	41.5	42.4	39.2	40.7	*24.3*
participate in student protests.	5.5	4.5	6.5	4.4	7.6	7.7	3.9	9.3	3.9	4.3	*0.0*
play varsity athletics.....	20.0	10.0	13.6	18.3	36.1	37.0	33.4	35.9	17.8	17.4	*22.2*
study abroad while enrolled.....	10.9	17.0	10.1	3.9	12.8	11.2	12.4	15.7	6.9	7.6	*0.3*
transfer to another college.....	8.2	5.6	3.1	12.5	7.8	6.8	9.4	8.6	16.0	15.7	*19.3*
work at outside job.....	15.9	13.9	11.7	19.8	14.9	11.2	17.6	19.7	16.0	16.8	*7.8*
work full-time while attending..	3.4	1.6	1.8	4.8	4.4	2.7	4.2	7.3	3.3	3.7	*0.0*
Events Occurring Since Entering College (5)											
was elected to student office...	17.9	14.2	18.8	17.2	22.6	23.0	23.6	21.4	15.1	14.9	17.6
was satisfied w/fresh coll (6)..	73.6	76.2	84.4	66.7	75.7	79.6	72.9	70.4	69.1	68.9	71.0
changed career choice (6).....	50.8	47.1	54.4	52.7	51.5	49.0	48.1	56.6	52.7	52.1	*59.0*
changed major field (6).....	52.0	46.5	48.2	58.3	51.8	51.0	44.3	57.3	53.8	53.0	*60.6*
dropped out permanently (6).....	8.3	5.3	2.1	13.7	7.1	5.9	5.8	9.9	18.1	18.8	11.3
dropped out temporarily (6).....	5.9	6.6	13.4	4.5	4.1	4.6	5.0	2.8	9.5	8.6	17.4
failed a course or class.....	39.1	42.1	23.5	48.4	29.4	29.4	32.9	27.8	44.3	44.4	42.6
had part-time job off campus....	56.9	60.3	53.5	55.7	55.4	55.5	64.9	50.2	58.5	57.1	72.3
had part-time job on campus.....	43.7	45.4	56.3	33.3	50.1	46.4	50.5	56.4	29.0	27.9	40.2
worked full-time while student..	18.9	21.7	11.3	23.0	12.9	14.2	15.5	9.4	19.2	18.9	21.7
got married.....	3.9	3.1	3.9	4.1	4.5	2.0	3.6	9.4	7.1	6.3	15.2
graduated with honors.....	12.1	10.0	19.8	8.9	15.9	17.7	14.4	13.6	5.7	4.7	15.3
joined a fraternity or sorority.	23.9	25.0	31.4	19.9	25.1	22.4	22.6	30.9	9.0	8.8	10.9
made "B" or better coll GPA (6).	61.8	61.2	84.1	53.6	64.5	64.9	64.5	63.8	48.7	47.4	*61.8*
participated in student protests	16.4	11.7	19.8	15.3	22.3	26.6	22.4	14.9	7.5	7.7	6.0
played intercoll foot/basketball	12.2	5.9	7.5	10.7	23.3	21.7	14.8	30.6	8.9	7.6	21.0
played other intercoll sport....	22.4	15.4	19.2	23.1	31.0	34.0	39.6	21.1	20.1	19.7	24.0
in study abroad program.....	7.7	4.0	9.7	3.9	16.0	18.6	12.5	13.3	1.2	1.3	0.0
transferred before graduating...	22.7	18.0	13.7	24.8	28.6	30.6	23.1	28.2	14.9	14.2	21.9
Other College Activities (5)											
assisted faculty in teaching....	11.5	11.4	6.6	9.5	15.8	17.5	11.3	15.5	4.5	4.2	7.5
attd racial/cultural workshop...	16.1	12.3	20.5	15.6	19.7	21.5	21.1	16.0	8.0	7.1	16.1
enrolled in ethnic std course...	18.3	14.8	12.5	22.2	19.6	22.1	18.2	16.0	6.5	6.5	6.4
enrolled in honors program.....	27.9	27.6	45.2	21.8	30.0	29.1	28.8	32.1	16.8	16.5	19.8
enrolled in women's std course..	5.9	3.1	7.2	8.4	5.7	6.7	5.1	4.2	2.1	1.9	4.0
in college internship program...	21.1	20.6	23.3	18.6	24.0	24.6	25.2	22.3	18.7	19.4	11.3
in social/ethnic student org....	8.1	5.4	9.5	8.0	10.9	10.6	12.5	10.7	1.7	1.6	1.7
taken reading study/skills class	19.8	12.0	11.6	27.6	22.1	25.4	22.7	16.1	12.1	10.8	24.5
taken remedial/develop course...	8.8	5.6	1.0	15.2	7.4	8.2	4.9	7.2	9.9	9.5	14.1
worked on prof's research proj..	16.0	16.7	21.1	14.7	15.0	17.6	12.4	11.9	6.6	6.8	4.5

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Last Year Reported in 1986											
attended a religious service....	81.1	77.4	89.4	83.0	80.2	74.5	90.6	84.7	76.6	74.3	*98.7*
attended recital or concert.....	75.8	75.2	81.8	73.2	77.5	81.3	74.5	72.4	70.7	69.3	84.8
did extra work for class (7)....	12.6	11.5	18.8	13.4	10.8	12.5	16.4	5.1	9.7	9.8	7.9
didn't complete homework on time	70.0	65.5	75.0	72.0	71.2	69.0	73.5	73.5	71.3	70.9	74.5
drank beer.....	70.2	76.2	68.0	70.8	62.7	59.5	75.8	61.2	80.8	81.6	73.1
felt depressed (7).....	5.8	4.3	6.3	4.3	9.5	6.6	7.2	15.6	8.8	9.4	3.2
felt overwhelmed (7).....	12.4	11.0	13.5	11.0	15.5	13.0	16.0	19.1	15.1	14.5	20.2
missed school due to illness (7)	3.5	3.0	3.7	3.9	3.3	2.8	2.5	4.7	4.8	4.9	3.5
performed volunteer work.....	68.2	65.2	83.6	65.5	69.6	70.7	73.1	66.1	64.5	62.5	82.7
smoked cigarettes (7).....	4.6	3.1	1.4	6.1	5.5	7.1	6.1	2.4	11.6	12.1	6.6
stayed up all night.....	75.6	77.5	74.7	71.9	78.2	79.6	78.6	75.5	79.1	78.4	85.6
studied with other students.....	88.2	88.9	92.9	86.9	87.1	89.3	88.9	82.9	87.2	87.7	*82.2*
tutored another student.....	44.9	48.9	66.1	35.9	43.9	42.0	52.9	42.5	38.6	40.5	20.1
used a personal computer (7)....	32.0	31.7	36.0	31.7	31.2	30.6	33.6	30.9	28.0	28.2	25.6
was bored in class (7).....	34.2	40.3	35.8	29.0	32.8	33.3	22.3	37.3	38.8	37.8	49.1
was guest in teacher's home.....	33.6	35.0	37.3	30.2	34.9	33.9	35.4	36.4	31.4	30.8	36.6
won varsity letter in sports....	59.7	56.4	58.6	62.6	60.2	56.0	64.6	65.3	57.9	59.0	47.4
Reported in 1990											
attended a religious service....	65.2	56.0	72.7	64.5	74.1	67.9	84.5	79.4	62.9	59.7	*93.6*
attended recital or concert.....	79.4	77.9	85.6	74.8	84.7	88.6	82.1	79.2	55.3	52.8	*80.1*
been lonely or homesick.....	50.8	47.7	51.3	54.6	49.5	48.7	50.2	50.4	50.6	51.3	*44.4*
drank beer.....	83.5	88.0	77.9	84.8	78.7	75.0	88.5	79.9	87.8	88.5	*80.8*
drank wine or liquor.....	78.2	80.0	75.7	79.5	75.3	71.8	84.6	76.7	80.0	80.9	*70.5*
felt depressed (7).....	6.2	5.9	7.2	4.9	7.7	7.6	4.6	9.5	6.8	7.3	*2.2*
felt overwhelmed (7).....	19.5	21.7	20.3	19.1	17.2	14.0	16.2	23.1	19.5	19.7	*17.4*
recd personal/psych counseling..	11.7	6.2	15.6	15.3	12.3	11.9	12.8	12.7	9.4	9.3	*10.6*
recd voc/career counseling.....	54.1	47.1	61.9	54.0	59.6	65.2	58.6	50.6	44.5	42.9	*60.1*
smoked cigarettes (7).....	10.1	17.8	6.6	4.6	9.3	10.6	11.1	6.3	15.1	15.5	*11.6*
socialized w/diff ethnic grp (7)	45.3	42.2	49.1	44.8	48.1	50.9	49.5	42.4	34.9	33.6	*47.9*
stayed up all night.....	71.7	69.7	70.9	71.9	74.1	79.2	69.5	67.5	70.7	70.0	*78.0*
used a personal computer (7)....	55.7	49.2	66.9	56.5	58.3	62.3	64.1	48.4	42.9	43.8	*33.8*
Activities in Last Year of College											
did extra work for class (7)....	6.3	4.3	8.8	8.1	5.7	3.9	6.8	8.3	3.3	3.5	*1.8*
didn't complete homework on time	56.6	54.6	58.6	54.0	61.4	60.5	64.8	61.2	62.3	62.8	*57.8*
discussed course w/students (7).	62.9	62.2	66.8	65.0	59.6	56.4	77.9	55.4	50.0	49.7	*52.0*
felt like leaving college.....	39.0	38.1	21.8	46.6	36.7	39.3	28.9	36.2	44.4	42.8	*59.2*
missed class due to illness (7).	1.3	0.9	0.9	0.9	2.5	1.9	1.2	4.1	0.0	0.0	*0.0*
participated in intramural sport	58.7	58.5	62.0	54.2	63.2	61.0	65.8	65.7	46.7	44.9	*64.9*
performed volunteer work.....	43.0	40.2	49.5	39.7	48.0	46.7	48.4	50.1	27.0	25.7	*40.0*
studied with other students.....	90.8	91.6	91.7	90.8	89.5	88.9	89.8	90.5	83.8	82.7	*94.0*
took interdisciplinary course...	56.5	55.0	67.3	52.6	59.2	62.3	58.3	54.0	34.4	34.2	*36.3*
tutored another student.....	54.9	57.9	60.1	48.4	57.8	55.3	57.4	62.3	45.1	45.7	*39.8*
used a personal computer (7)....	54.5	49.8	59.7	56.4	55.8	56.7	63.3	50.1	37.9	38.0	*37.3*
was bored in class (7).....	28.8	36.6	28.2	23.4	26.6	23.8	23.1	33.5	29.3	30.8	*14.8*
was guest in professor's home...	29.4	16.6	28.1	24.4	51.1	54.2	38.0	52.7	20.2	18.5	*36.1*
worked on grp projects in class.	86.0	87.9	78.6	83.8	89.2	89.0	93.7	87.0	88.2	87.7	*92.6*
worked on ind research project..	62.6	57.4	63.2	64.0	66.6	73.3	67.2	54.6	52.7	51.9	*60.7*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1986											
with parents or relatives	8.9	5.9	4.0	13.3	9.3	6.7	17.5	9.6	31.2	32.2	*21.7*
other private home,apt,room	28.9	32.0	15.9	31.0	27.7	31.8	25.2	22.0	32.2	32.0	*34.3*
college dormitory	48.2	50.6	71.7	38.3	47.9	47.6	37.1	53.4	29.1	28.3	*36.6*
fraternity or sorority house	6.4	5.3	6.0	6.7	7.4	5.1	10.6	9.6	4.6	4.5	*5.2*
other campus housing	5.2	5.0	1.1	5.1	6.8	7.8	8.6	4.3	1.2	1.3	*0.0*
other	2.4	1.1	1.3	5.5	1.0	0.9	1.0	1.1	1.7	1.7	*2.2*
Planned for Fall 1986											
with parents or relatives	14.9	11.8	9.0	22.6	11.1	9.7	18.8	9.5	51.6	54.2	26.4
other private home,apt,room	4.7	5.6	2.9	6.8	1.7	1.3	4.6	0.8	12.2	12.8	7.2
college dormitory	77.5	81.0	85.7	66.6	84.5	87.0	72.8	86.1	34.8	31.8	63.2
fraternity or sorority house	0.5	0.5	1.0	0.0	1.1	0.2	1.0	2.9	0.3	0.0	3.2
other campus housing	1.2	1.2	1.2	1.0	1.5	1.6	2.8	0.8	0.4	0.4	0.0
other	1.1	0.0	0.2	3.0	0.1	0.2	0.0	0.0	0.7	0.8	0.0
First Year											
with parents or relatives	16.6	12.6	10.4	24.4	13.7	11.0	23.9	12.7	50.6	53.1	*25.6*
other private home,apt,room	5.6	5.3	2.2	10.3	1.0	0.4	2.3	1.3	14.6	15.5	*6.4*
college dormitory	75.5	79.7	86.4	62.8	82.9	87.9	67.6	82.9	33.1	29.7	*68.0*
frat or sorority house	0.7	0.8	0.4	0.9	0.5	0.0	0.2	1.5	0.0	0.0	*0.0*
other campus student housing	1.4	1.3	0.4	1.4	1.8	0.7	6.0	1.3	0.9	1.0	*0.0*
other	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.3	0.7	0.8	*0.0*
Second Year											
with parents or relatives	23.0	21.4	12.0	31.7	17.7	16.5	26.6	14.8	49.2	50.7	*34.1*
other private home,apt,room	20.3	29.1	13.4	20.9	10.9	13.8	7.0	8.0	20.1	21.9	*2.1*
college dormitory	45.2	35.8	55.9	41.2	58.4	56.7	53.9	63.9	27.5	24.1	*62.1*
frat or sorority house	6.9	8.8	11.2	3.4	7.4	8.3	1.3	9.2	0.5	0.6	*0.0*
other campus student housing	3.6	3.6	4.0	2.4	5.1	4.2	10.9	3.6	1.3	1.5	*0.0*
other	1.0	1.3	3.5	0.3	0.4	0.5	0.3	0.5	1.3	1.3	*1.7*
Third Year											
with parents or relatives	20.8	20.9	11.2	28.1	15.6	11.6	23.5	18.4	25.7	26.3	*20.4*
other private home,apt,room	35.5	47.6	25.0	35.0	24.6	24.4	24.9	24.7	39.6	40.4	*33.3*
college dormitory	28.9	15.9	41.0	27.9	42.1	46.6	34.3	38.3	23.3	22.6	*30.2*
frat or sorority house	7.8	10.2	12.0	4.0	7.8	8.5	1.5	10.1	0.7	0.8	*0.0*
other campus student housing	5.4	3.7	5.5	4.4	8.6	7.7	14.4	6.9	3.9	3.8	*4.8*
other	1.6	1.6	5.3	0.7	1.4	1.2	1.2	1.7	6.7	6.2	*11.3*
Fourth Year											
with parents or relatives	21.0	22.5	12.1	25.6	17.1	13.8	22.0	20.9	24.3	25.2	*15.8*
other private home,apt,room	45.8	56.9	38.2	47.0	33.3	32.5	31.3	35.9	48.4	48.8	*44.8*
college dormitory	21.1	10.6	30.3	20.6	31.5	36.5	21.9	26.9	13.6	12.4	*25.0*
frat or sorority house	5.1	5.5	11.4	2.5	5.3	5.0	0.9	8.6	2.6	2.9	*0.0*
other campus student housing	6.0	3.5	6.3	3.8	11.8	11.2	21.6	7.1	5.7	5.6	*6.9*
other	0.9	1.1	1.7	0.5	1.1	1.0	2.4	0.6	5.4	5.2	*7.5*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Objectives Noted as Essential or Very Important in 1986											
achieve in a performing art	9.2	7.5	8.5	9.0	11.8	12.1	8.7	12.9	5.1	4.5	*12.0*
become authority in my own field	75.1	72.4	72.7	78.2	75.4	77.0	67.0	77.1	79.9	79.9	*80.7*
obtain recog from colleagues	57.3	56.5	57.1	58.1	57.4	59.5	56.7	54.1	52.7	51.8	*61.7*
influence political structure	19.3	16.8	16.4	24.0	17.6	17.2	19.3	17.4	13.8	13.9	*12.7*
influence social values	32.4	31.8	29.9	30.5	36.3	38.3	29.0	36.6	23.8	23.6	*25.7*
raise a family	69.6	70.3	79.7	67.4	67.8	65.3	69.3	71.4	66.5	66.1	*71.1*
have admin responsibility	48.2	53.3	50.7	45.3	45.1	44.8	49.8	43.2	39.4	40.3	*29.5*
be very well off financially	75.1	75.8	74.1	77.7	71.6	68.2	72.8	76.6	81.2	81.8	*74.5*
help others in difficulty	50.4	52.4	49.7	48.8	50.1	50.0	47.1	52.0	40.3	40.9	*34.6*
theoretical contrib to science	19.5	24.6	20.4	19.7	13.2	14.0	16.5	9.9	12.8	13.3	*7.2*
write original works	12.6	14.9	12.9	12.1	10.5	11.3	12.5	8.1	9.4	8.9	*15.3*
create artistic work	12.9	15.4	10.1	11.2	13.1	13.8	11.9	12.4	8.2	7.9	*11.1*
be successful in own business	51.3	53.9	41.1	50.0	53.3	57.7	46.7	49.4	59.3	58.4	*68.9*
be involved in environ cleanup	21.0	23.6	11.4	23.0	19.0	21.9	16.5	15.3	16.5	16.6	*16.2*
develop philosophy of life	46.1	47.5	52.7	38.7	51.1	51.1	45.4	53.9	24.9	24.4	*29.7*
participate in community action	19.6	20.7	16.7	19.7	19.2	19.0	22.1	17.9	12.6	11.9	*19.6*
promote racial understanding	31.2	28.2	31.0	35.1	29.9	30.4	32.7	27.5	14.0	13.5	*19.5*
be expert on finance/commerce	31.9	38.8	28.1	30.2	27.2	22.8	37.3	29.5	21.7	21.0	*28.6*
in 1990											
achieve in a performing art	9.5	9.8	10.3	9.5	9.0	11.9	6.6	5.2	7.2	5.9	*19.3*
become authority in my field	67.4	68.9	71.3	64.7	67.8	68.1	66.7	68.0	66.6	66.6	*67.1*
obtain recog from colleagues	51.9	56.9	53.4	50.0	48.0	46.9	43.1	52.6	50.7	51.3	*45.1*
influence political structure	21.8	21.6	20.5	21.5	22.7	24.5	19.4	21.4	13.2	12.6	*18.6*
influence social values	37.5	31.0	40.3	38.2	43.0	47.0	38.5	38.5	26.7	25.5	*38.0*
raise a family	67.9	67.3	74.8	64.3	70.6	69.3	69.1	73.7	61.4	60.5	*70.0*
have admin responsibility	46.0	49.7	44.3	40.6	49.0	50.5	46.5	47.8	48.9	49.3	*45.0*
be very well off financially	62.3	60.7	62.4	65.4	60.3	60.3	62.7	59.1	73.4	74.8	*60.1*
help others in difficulty	55.2	50.1	62.5	54.8	58.8	61.6	54.6	56.1	49.6	48.8	*56.8*
theoretical contrib to science	14.4	15.1	15.0	16.8	10.2	8.4	7.5	14.9	11.9	12.6	*5.2*
write original works	13.3	14.2	17.3	10.4	14.5	17.1	12.8	10.8	9.0	8.7	*12.1*
create artistic work	10.8	11.6	10.1	8.5	13.2	14.5	8.8	13.3	6.6	6.5	*6.7*
be successful in own business	45.5	48.5	39.9	41.7	48.6	50.7	51.1	43.8	51.1	51.0	*52.6*
be involved in environ cleanup	40.6	40.5	32.3	42.2	41.6	42.7	42.4	39.1	41.2	40.7	*46.5*
develop philosophy of life	54.6	52.5	60.4	51.9	58.2	58.4	53.3	60.6	41.6	40.0	*57.6*
participate in community action	24.1	21.0	25.5	27.1	23.2	24.5	24.0	20.6	18.1	18.0	*19.8*
promote racial understanding	31.3	28.0	33.8	30.7	35.0	38.1	28.4	32.9	16.6	15.3	*29.7*
be expert on finance/commerce	25.0	25.7	27.0	25.5	23.1	20.4	24.0	27.2	29.2	29.3	*28.0*
Permission to Use I.D. in 1986											
yes	80.2	83.6	78.3	77.4	80.2	83.3	72.5	78.0	77.1	76.1	*88.6*
no	19.8	16.4	21.7	22.6	19.8	16.7	27.5	22.0	22.9	23.9	*11.4*
Permission to Use I.D. in 1990											
yes	70.7	69.8	77.0	66.6	74.9	72.5	78.0	77.4	77.5	79.4	*58.6*
no	29.3	30.2	23.0	33.4	25.1	27.5	22.0	22.6	22.5	20.6	*41.4*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agree Strongly or Somewhat in 1986											
abolish death penalty	20.6	16.5	27.5	16.7	27.8	33.9	28.0	17.7	18.1	18.0	*19.6*
abortion should be legalized	62.4	63.6	51.0	69.0	56.6	63.5	46.3	50.8	53.2	54.4	*40.9*
busing OK to achieve balance	54.2	52.7	44.8	54.2	59.3	61.6	56.0	57.5	54.6	54.9	*51.1*
college ban extreme speakers	25.1	23.7	23.8	27.1	24.7	28.7	24.7	18.3	27.5	27.8	*24.8*
college increases earning power	72.4	76.4	58.9	77.5	66.0	62.7	68.0	70.5	83.0	84.4	*68.7*
college regulate off-campus acts	10.5	7.0	15.8	10.5	12.5	12.4	13.0	12.6	9.6	9.7	*9.2*
govt not controlling pollution	78.5	76.4	77.6	78.6	81.2	83.2	83.3	76.8	72.9	73.4	*67.7*
govt not promoting disarmament	60.1	63.2	60.3	55.9	61.8	62.6	67.2	57.9	49.9	49.2	*57.1*
govt not protecting consumer	59.1	54.7	52.1	65.5	58.3	65.4	49.4	51.3	64.9	65.2	*61.9*
increase fed military spending	32.1	27.3	33.7	42.3	24.0	21.1	31.4	25.0	35.0	35.4	*30.6*
live together before marriage	57.4	64.8	43.3	59.5	51.1	54.3	49.6	46.7	62.4	65.3	*32.7*
marijuana should be legalized	24.7	24.1	24.1	27.7	21.9	23.9	24.0	17.6	26.5	28.0	*11.2*
married women best in home	23.5	28.0	24.8	22.1	19.4	18.5	19.7	20.7	19.7	19.3	*23.6*
national health care plan needed	60.2	60.3	47.2	63.1	61.3	63.5	55.5	60.6	65.6	66.6	*54.6*
nuclear disarmanent attainable	52.7	54.8	45.7	52.4	53.2	57.0	55.4	46.1	45.9	44.7	*58.2*
prohibit homosexual relations	57.9	51.4	49.1	64.7	60.0	53.6	55.4	72.5	66.7	66.8	*65.9*
raise taxes to reduce deficit	30.0	30.8	33.8	29.4	28.6	25.9	35.9	29.5	22.4	22.3	*23.1*
wealthy should pay more taxes	73.3	70.1	67.4	79.3	71.3	69.5	76.1	71.7	80.2	81.1	*70.7*
in 1990											
abolish death penalty	18.5	16.9	26.6	12.7	24.7	21.6	29.0	27.8	7.4	6.6	*15.6*
abortion should be legal	74.4	80.5	59.0	77.2	69.0	76.2	56.6	63.2	64.6	65.6	*54.3*
busing OK to achieve balance	47.6	49.8	43.9	44.0	50.6	52.8	47.5	48.5	44.7	44.7	*45.6*
college ban extreme speakers	19.5	20.5	24.1	17.6	19.1	17.4	18.6	22.1	17.7	17.4	*20.0*
college increases earning power	47.1	46.3	37.1	51.1	46.4	45.1	45.5	49.0	59.2	59.9	*52.5*
college regulate off-campus acts	9.9	6.1	17.2	11.7	9.5	7.5	8.2	13.6	7.3	6.5	*15.0*
govt not controlling pollution	88.2	87.7	86.1	89.1	88.3	87.1	87.5	90.8	83.3	82.1	*95.1*
govt not promoting disarmament	52.5	51.6	49.7	52.2	54.8	57.3	48.0	53.9	43.4	43.3	*43.8*
govt not protecting consumer	60.1	56.4	51.0	63.2	63.8	66.5	48.3	67.5	62.5	62.0	*67.3*
increase fed military spending	16.5	14.0	12.0	22.3	13.8	9.7	19.0	18.3	12.6	11.7	*21.9*
live together before marriage	56.1	56.9	45.8	60.5	53.1	62.5	50.1	39.0	65.3	67.9	*40.2*
marijuana should be legalized	25.7	25.4	26.8	26.8	24.2	25.2	29.3	19.8	24.8	25.4	*19.0*
married women best in home	14.0	14.3	16.2	13.9	12.8	9.8	13.8	17.4	15.0	14.7	*17.8*
national health care plan needed	67.2	67.0	52.3	70.3	68.7	74.5	63.4	61.8	65.9	66.5	*59.5*
nuclear disarmament attainable	55.9	54.2	51.5	56.9	58.3	54.7	68.3	59.0	56.4	55.7	*63.0*
prohibit homosexual relations	34.9	30.1	27.6	40.1	36.3	38.7	34.8	33.1	47.7	48.3	*41.6*
raise taxes to reduce deficit	43.2	48.2	55.5	38.4	38.8	36.0	41.6	41.9	33.4	33.9	*28.7*
wealthy should pay more taxes	73.7	71.5	68.5	77.4	73.6	80.2	64.3	67.4	79.1	78.7	*83.3*
Political Orientation in 1986											
far left	1.2	1.4	0.4	0.8	1.7	2.5	1.2	0.5	2.4	2.7	0.0
liberal	21.3	20.2	23.9	19.5	24.0	24.5	22.9	23.6	22.0	22.2	20.8
middle of the road	49.7	51.7	40.1	52.4	47.4	50.3	51.3	40.6	56.0	56.1	54.7
conservative	25.5	25.9	33.4	22.6	25.9	21.3	23.5	35.1	16.1	15.2	24.3
far right	2.2	0.7	2.2	4.6	1.0	1.4	1.1	0.2	3.5	3.9	0.3
Political Orientation in 1990											
far left	2.1	2.0	0.9	2.2	2.5	3.9	0.8	1.1	1.6	1.7	*1.1*
liberal	26.4	25.9	19.5	28.1	27.2	29.6	19.6	27.2	21.8	23.3	*7.5*
middle of road	40.6	42.5	37.8	39.0	41.4	39.6	50.2	39.8	48.7	47.8	*56.7*
conservative	30.4	29.1	41.8	30.2	28.2	26.5	29.1	30.7	27.2	26.5	*34.7*
far right	0.5	0.5	0.0	0.5	0.6	0.5	0.3	1.1	0.7	0.7	*0.0*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986) (8)											
None											
studying or doing homework	1.8	2.9	1.1	1.4	1.5	1.1	1.8	1.9	4.1	4.4	*1.2*
socializing with friends	0.1	0.2	0.4	0.0	0.2	0.0	0.3	0.4	0.0	0.0	*0.0*
talking w/teacher outside class	22.1	22.5	18.4	29.4	13.6	12.6	12.9	15.5	21.9	23.0	*10.2*
exercising or sports	3.8	1.5	4.8	3.8	6.1	3.5	5.3	10.8	7.4	7.3	*8.4*
using a personal computer	44.6	47.0	42.5	42.0	45.9	47.2	40.0	46.6	47.2	48.0	*38.5*
partying	15.8	13.3	17.0	13.0	21.9	25.0	7.4	24.3	16.1	15.8	*19.3*
working (for pay)	29.9	29.7	36.0	25.5	33.4	36.2	29.8	30.5	18.9	18.7	*21.7*
volunteer work	54.3	58.7	40.1	56.0	52.3	51.7	48.2	55.4	60.6	61.1	*55.0*
student clubs and groups	38.9	44.1	18.8	40.9	37.5	35.4	39.7	39.7	50.8	53.5	*23.3*
watching TV	6.5	6.4	8.3	6.5	6.0	7.1	7.3	3.6	6.4	6.8	*1.5*
religious services or meetings	37.1	45.0	24.7	35.7	34.2	42.3	25.6	25.4	36.7	38.7	*15.4*
hobbies	10.4	10.2	10.0	11.0	9.8	11.5	6.9	8.7	5.5	5.7	*3.3*
Six or More Hours											
studying or doing homework	47.8	41.9	67.0	45.5	50.7	51.9	59.3	44.2	38.4	38.1	*41.2*
socializing with friends	84.9	85.3	86.1	86.5	82.0	79.1	85.3	85.0	85.8	84.9	*95.5*
talking w/teacher outside class	6.8	7.2	5.6	6.1	7.7	6.9	11.6	7.1	5.7	5.4	*8.6*
exercising or sports	66.9	65.9	63.5	69.8	65.7	66.5	68.4	62.9	55.2	54.6	*61.4*
using a personal computer	12.9	13.6	9.2	15.2	10.6	8.6	10.9	13.8	11.0	11.0	*11.1*
partying	39.2	43.0	34.4	42.6	32.3	28.6	39.1	34.8	46.8	47.3	*41.5*
working (for pay)	58.1	60.8	49.4	64.0	50.5	46.9	56.7	53.1	72.9	73.7	*65.0*
volunteer work	5.8	5.4	8.5	5.6	5.6	5.3	4.3	6.9	5.7	5.7	*5.1*
student clubs and groups	14.4	13.6	22.4	14.5	12.4	12.3	13.3	12.1	10.9	10.7	*13.5*
watching TV	39.9	37.6	34.6	46.7	35.7	33.8	39.1	37.2	48.1	48.0	*49.4*
religious services or meetings	3.7	2.3	3.7	3.6	5.6	4.2	2.4	9.4	2.6	2.1	*7.9*
hobbies	31.4	33.7	29.4	30.8	30.2	28.2	33.3	31.8	45.0	43.9	*56.7*
Sixteen or More Hours											
studying or doing homework	7.0	6.9	15.2	3.9	7.9	9.6	8.3	4.9	4.6	4.6	*3.9*
socializing with friends	35.7	31.5	36.5	38.3	37.0	42.0	34.6	30.0	43.1	43.1	*43.0*
talking w/teacher outside class	0.9	1.0	0.2	0.5	1.4	1.4	2.3	0.8	0.7	0.8	*0.0*
exercising or sports	24.2	21.6	26.3	27.6	22.0	16.6	35.5	23.8	19.4	18.4	*30.2*
using a personal computer	2.1	1.0	1.9	3.3	1.8	1.5	1.6	2.3	1.6	1.3	*4.2*
partying	11.4	13.6	10.3	12.0	8.5	7.6	10.8	9.0	16.3	16.2	*17.8*
working (for pay)	35.1	37.7	27.9	38.3	30.7	29.4	32.5	32.0	49.9	50.5	*43.6*
volunteer work	1.6	0.9	2.5	2.0	1.8	1.0	0.7	3.8	2.2	2.2	*1.7*
student clubs and groups	2.2	1.0	2.5	3.0	2.6	3.1	2.6	1.6	0.8	0.1	*7.9*
watching TV	9.5	6.7	6.3	13.1	9.4	10.8	12.5	5.5	12.3	12.3	*12.5*
religious services or meetings	0.5	0.5	0.0	0.8	0.3	0.1	0.0	0.7	0.7	0.8	*0.0*
hobbies	8.6	11.1	6.7	9.3	5.4	5.6	4.8	5.5	11.5	10.6	*21.0*

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990) (8)											
None											
classes and labs	1.2	1.2	0.0	1.3	1.7	2.0	3.4	0.2	0.5	0.5	0.3
studying or homework	0.3	0.6	0.7	0.1	0.2	0.1	0.6	0.0	0.9	1.0	*0.0*
socializing with friends	0.1	0.0	0.0	0.0	0.5	0.2	0.8	0.8	0.0	0.0	0.0
talking w/faculty outside class	7.0	10.1	7.7	6.2	4.3	2.2	8.8	5.4	7.6	8.3	1.5
exercising or sports	4.5	4.3	2.7	6.5	2.8	2.8	1.5	3.5	4.9	5.3	1.1
reading for pleasure	19.6	21.8	14.3	25.4	11.5	11.6	12.2	11.2	16.5	17.8	4.2
using a personal computer	12.0	13.5	6.4	13.3	10.7	9.1	11.7	13.0	17.3	17.4	16.2
partying	9.7	6.2	10.9	11.7	10.9	12.9	3.5	11.4	9.5	9.0	14.2
working (for pay)	26.3	31.7	26.9	22.8	24.2	24.4	22.4	24.9	34.2	36.5	13.1
volunteer work	59.0	60.2	54.7	64.2	52.3	50.6	54.2	54.3	69.4	72.4	40.2
student clubs and groups	42.6	51.1	31.6	44.4	34.2	35.4	29.1	34.8	56.1	58.9	29.3
watching TV	6.3	4.1	10.9	7.0	6.5	8.2	4.5	4.5	3.3	2.8	8.0
commuting to campus	39.9	34.7	46.2	33.9	51.5	57.5	44.8	44.7	30.9	29.5	44.5
religious services or meetings	50.0	60.6	38.2	49.3	42.8	49.2	29.8	38.5	51.7	56.2	8.2
hobbies	16.9	23.7	19.5	11.4	14.9	17.1	10.1	13.8	17.4	18.7	5.1
Six or More Hours											
classes and labs	90.3	92.9	93.7	89.7	86.9	86.4	84.0	89.1	89.9	89.2	96.9
studying or homework	69.2	67.3	81.5	69.9	66.2	67.5	66.9	63.4	66.4	66.3	*87.6*
socializing with friends	81.2	87.7	83.5	76.0	79.3	79.3	83.7	77.0	75.7	77.1	61.7
talking w/faculty outside class	3.2	1.7	2.1	4.1	4.3	5.4	4.9	2.1	5.9	6.4	1.1
exercising or sports	38.7	38.2	35.7	37.7	41.7	36.9	43.9	49.1	35.4	35.7	32.7
reading for pleasure	7.3	6.2	3.1	7.3	10.0	7.4	8.3	15.5	7.6	7.8	6.0
using a personal computer	26.4	22.4	27.2	26.0	31.5	37.4	28.0	22.9	20.9	21.2	18.0
partying	36.6	42.4	40.9	32.6	33.5	29.0	45.4	34.9	45.8	47.4	30.6
working (for pay)	61.8	59.3	60.5	67.0	58.8	56.2	64.6	60.2	55.0	53.2	72.2
volunteer work	5.6	10.9	2.4	2.8	4.1	3.7	4.7	4.5	4.0	3.8	6.2
student clubs and groups	11.3	12.5	13.8	8.9	12.3	11.8	11.8	13.3	4.1	4.3	1.7
watching TV	30.5	32.9	27.6	29.0	30.7	27.8	36.9	32.2	41.4	42.1	35.1
commuting to campus	7.1	3.9	6.2	8.4	9.5	9.1	9.3	10.4	12.4	12.8	8.6
religious services or meetings	1.9	1.5	2.2	0.9	3.7	2.3	5.0	5.3	4.4	4.2	6.8
hobbies	14.8	14.9	15.3	16.3	12.6	10.7	11.5	16.5	21.8	22.1	18.8
Sixteen or More Hours											
classes and labs	41.6	45.4	37.7	39.5	41.0	45.0	39.2	35.5	47.5	47.1	51.5
studying or homework	27.5	24.5	39.3	29.3	24.5	27.7	22.1	20.1	17.4	17.6	*15.5*
socializing with friends	33.8	38.4	40.0	29.3	31.7	30.2	29.0	35.7	33.7	33.5	35.7
talking w/faculty outside class	0.4	0.8	0.0	0.2	0.2	0.0	1.0	0.0	2.1	2.3	0.0
exercising or sports	9.3	9.8	4.2	10.0	9.7	6.2	15.0	12.9	7.5	7.9	2.8
reading for pleasure	1.2	2.0	0.5	0.8	0.9	0.3	0.3	2.3	3.3	3.6	0.0
using a personal computer	6.5	6.0	6.5	7.4	6.0	7.0	6.5	3.9	8.8	9.2	4.9
partying	8.8	8.8	9.6	7.7	9.9	7.8	14.6	11.1	12.8	14.1	0.0
working (for pay)	38.2	41.4	30.7	42.6	31.4	28.2	38.1	33.6	31.7	31.1	37.8
volunteer work	3.2	7.4	0.7	1.5	1.2	0.6	1.9	1.8	2.8	2.7	4.4
student clubs and groups	3.1	3.0	5.6	2.9	2.6	2.5	2.3	2.9	1.2	1.4	0.0
watching TV	6.3	8.6	4.2	5.5	5.6	5.8	5.9	4.9	9.5	10.1	3.3
commuting to campus	0.9	0.3	0.9	0.9	1.6	2.4	2.2	0.0	4.9	5.3	1.3
religious services or meetings	0.7	0.8	0.0	0.7	0.8	0.6	2.4	0.4	2.4	2.7	0.0
hobbies	2.9	2.8	2.9	3.5	2.2	2.5	1.9	1.7	5.6	5.7	4.1

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986 (9)											
artist (including performer)	5.3	3.7	5.1	4.6	8.2	10.5	5.3	6.2	5.1	3.7	*19.7*
business	28.5	26.8	22.2	29.4	31.9	31.6	44.3	26.1	18.7	17.1	*34.9*
clergy or religious worker	0.4	0.0	0.2	0.0	1.3	1.1	1.9	1.3	0.0	0.0	*0.0*
college teacher	0.6	0.4	0.6	1.0	0.5	0.4	1.5	0.3	0.5	0.5	*0.0*
doctor (MD or DDS)	6.4	6.5	11.8	4.4	6.9	6.1	7.9	7.7	1.8	1.7	*2.8*
education (secondary)	3.5	2.0	1.9	4.6	4.4	2.2	2.3	8.7	3.3	3.1	*4.9*
education (elementary)	0.8	0.3	0.0	1.1	1.4	0.3	0.5	3.5	0.0	0.0	*0.0*
engineer	13.5	18.0	20.4	11.7	7.5	10.5	7.2	3.1	27.9	30.4	*1.8*
farmer or forester	1.1	1.9	0.0	1.0	0.7	1.0	0.6	0.4	6.0	6.5	*0.0*
health professional (non-M.D.)	2.6	3.3	1.8	1.8	3.0	2.7	2.3	4.0	1.9	1.8	*2.5*
lawyer	4.2	2.7	9.1	2.8	5.8	7.7	3.3	4.2	3.1	3.4	*0.0*
nurse	0.2	0.0	0.0	0.4	0.2	0.0	1.0	0.0	0.0	0.0	*0.0*
research scientist	2.3	2.7	3.9	1.2	2.4	3.0	0.5	2.4	0.0	0.0	*0.0*
other choice	20.2	21.2	12.7	27.0	13.0	13.4	12.8	12.4	24.5	25.1	*18.1*
undecided	10.5	10.4	10.3	9.0	12.7	9.6	8.4	19.6	7.3	6.6	*15.5*
Probable Career in 1990 (9)											
artist (including performer)	6.3	5.8	5.8	5.1	8.6	11.4	5.2	5.9	2.6	2.2	*6.6*
business	28.7	30.4	28.5	25.2	31.3	24.6	42.2	36.2	30.6	29.3	*43.3*
clergy or religious worker	0.6	0.2	1.1	0.0	1.7	1.7	2.1	1.5	0.9	0.6	*3.8*
college teacher	2.7	2.0	3.3	0.7	5.8	4.8	6.5	6.9	0.2	0.0	*2.0*
doctor (MD or DDS)	3.4	4.7	7.7	1.0	3.5	3.5	3.7	3.4	1.6	1.5	*2.8*
education (secondary)	4.1	2.1	1.2	4.6	7.2	9.4	4.0	5.5	1.3	1.2	*2.3*
education (elementary)	1.0	0.0	0.0	1.5	2.1	0.8	1.4	4.4	1.5	1.1	*5.8*
engineer	10.6	15.0	15.3	8.8	5.7	7.2	2.7	5.1	16.8	18.5	*0.0*
farmer or forester	1.8	2.4	0.0	2.1	1.4	2.4	0.0	0.7	5.7	6.1	*1.0*
health professional (non-M.D.)	2.3	1.9	0.9	3.8	1.4	1.4	0.4	1.8	0.6	0.6	*0.0*
lawyer	4.6	4.5	10.7	2.7	4.8	6.6	4.6	2.1	3.4	3.8	*0.0*
nurse	0.1	0.0	0.0	0.0	0.2	0.0	1.2	0.0	0.0	0.0	*0.0*
research scientist	2.5	2.0	3.0	2.3	3.3	4.0	1.8	3.0	1.2	1.3	*0.0*
other choice	26.4	24.1	17.4	38.3	17.1	16.3	15.9	19.1	30.9	31.5	*24.7*
undecided	4.8	4.9	5.1	3.9	5.8	6.0	8.2	4.3	2.8	2.3	*7.8*
Religious Preference in 1986											
Protestant	30.0	27.1	25.1	30.9	34.0	34.9	8.5	46.2	29.7	28.1	*47.7*
Roman Catholic	33.9	32.2	45.3	34.6	30.9	20.6	79.2	22.6	40.3	42.8	*12.5*
Jewish	3.7	3.6	6.1	3.8	3.0	5.3	0.5	0.5	3.4	3.8	*0.0*
other	18.5	17.2	15.2	22.6	16.1	15.3	7.8	21.7	18.1	16.3	*38.1*
none	13.8	19.9	8.3	8.2	16.0	23.9	4.0	9.0	8.5	9.1	*1.8*
Religious Preference in 1990											
Protestant (10)	42.2	36.7	36.7	45.4	46.8	48.8	10.5	62.5	44.6	41.5	*75.2*
Roman Catholic	29.4	28.4	41.9	26.7	29.4	19.4	76.3	22.0	40.6	43.6	*10.9*
Jewish	3.5	3.6	5.0	3.4	2.9	5.1	0.5	0.3	1.6	1.8	*0.0*
other (10)	5.9	4.4	1.4	9.6	4.8	6.2	4.5	2.7	3.7	3.2	*8.7*
none	18.9	26.9	14.9	14.9	16.1	20.5	8.2	12.5	9.4	9.8	*5.2*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (8)											
agriculture	2.1	2.1	0.0	4.3	0.1	0.2	0.3	0.0	4.6	5.0	*1.3*
biological sciences	6.1	4.4	7.2	8.8	4.4	4.9	4.9	3.1	4.4	4.4	*4.8*
business	25.3	25.8	23.1	19.6	32.3	33.9	48.2	21.3	19.1	17.6	*33.0*
education	3.9	1.6	1.3	5.8	5.1	3.2	2.8	9.7	4.1	3.9	*6.1*
engineering	15.3	18.0	24.2	16.2	7.9	10.4	6.7	4.2	27.8	30.4	*3.5*
English	0.9	0.5	2.9	0.8	0.6	0.6	1.9	0.0	0.0	0.0	*0.0*
health professional	4.7	5.9	5.7	3.2	4.8	2.3	8.1	7.4	1.6	1.4	*3.7*
history or political science	4.1	3.7	6.6	2.8	5.3	6.3	3.5	4.5	0.5	0.4	*1.7*
humanities	1.5	1.4	1.1	0.5	2.8	2.4	2.8	3.4	3.1	2.9	*5.3*
fine arts	4.0	5.2	4.5	1.6	5.5	7.5	0.5	4.8	6.4	5.5	*15.0*
mathematics or statistics	1.2	1.4	1.0	1.0	1.2	0.8	0.5	2.2	0.6	0.7	*0.0*
physical sciences	4.0	4.3	4.0	4.0	3.6	3.3	1.6	5.2	0.4	0.4	*0.0*
social sciences	5.1	9.0	4.2	3.1	3.5	3.6	3.1	3.6	0.7	0.4	*3.2*
other technical	7.5	4.4	4.1	12.7	6.0	5.0	2.4	9.7	12.9	13.9	*3.5*
other non-technical	6.4	5.0	5.5	6.7	7.9	8.0	8.4	7.5	9.8	9.2	*15.1*
undecided	8.0	7.4	4.9	8.9	8.7	7.4	4.2	13.4	3.9	3.9	*3.7*
Major Reported in 1990 (8)											
agriculture	0.9	1.8	0.0	0.8	0.4	0.7	0.0	0.0	6.2	6.7	*0.9*
biological sciences	4.7	4.5	4.9	3.9	6.1	5.4	5.5	7.8	1.4	1.2	*3.8*
business	24.9	25.0	21.1	22.5	29.1	24.8	37.4	32.2	30.3	29.6	*37.6*
education	5.1	1.7	1.0	6.4	8.8	9.9	3.5	9.6	2.9	1.9	*12.2*
engineering	12.7	15.9	19.4	12.8	6.2	7.1	4.0	5.5	19.5	21.6	*0.0*
English	2.3	2.4	4.3	0.9	3.3	3.1	5.1	2.6	0.3	0.2	*1.4*
health professional	1.7	2.1	1.0	1.3	1.8	1.7	2.1	2.0	0.3	0.0	*3.2*
history or political science	8.5	6.9	16.7	6.0	10.7	11.6	11.8	8.7	6.7	7.3	*1.8*
humanities	2.0	1.7	2.3	0.8	3.7	3.7	6.6	2.2	1.5	1.2	*4.9*
fine arts	4.8	5.2	5.0	2.9	6.6	8.4	1.3	6.3	3.9	3.5	*7.8*
mathematics or statistics	1.6	3.2	1.1	0.9	0.7	0.8	0.4	0.8	0.6	0.7	*0.0*
physical sciences	3.3	3.1	4.2	3.3	3.3	3.5	1.2	4.1	1.4	1.6	*0.0*
social sciences	13.5	13.7	8.9	18.8	8.2	8.0	4.8	10.2	5.7	5.8	*5.1*
other technical	5.4	3.9	5.4	7.8	4.0	4.1	4.2	3.8	6.1	6.3	*4.1*
other non-technical	7.4	9.0	4.8	7.1	6.7	7.0	10.3	4.3	10.3	10.1	*12.2*
undecided	1.3	0.0	0.0	3.6	0.4	0.2	1.8	0.0	2.7	2.5	*4.9*
Plans for Fall 1990											
attend college full-time	43.5	50.8	29.1	52.4	28.8	29.8	24.4	29.5	45.0	44.3	51.4
attend college part-time	10.1	9.5	2.2	11.8	11.5	12.9	4.9	12.6	9.2	9.1	9.8
attend graduate school	11.2	9.3	22.2	7.3	14.5	14.9	17.3	12.2	4.2	3.8	7.4
attend vocational program	1.7	0.5	1.7	2.9	1.5	1.1	1.3	2.3	1.1	1.2	0.0
work full-time	38.1	35.8	38.8	30.6	50.0	48.8	53.2	50.2	41.2	41.8	35.1
work part-time	27.1	29.4	17.4	30.4	23.6	22.7	26.1	24.0	27.7	28.2	22.7
serve in Armed Forces	5.4	2.2	3.9	10.7	3.1	2.6	6.5	2.1	4.8	4.8	5.3
travel	5.4	5.4	4.5	6.1	4.9	7.1	3.2	2.1	4.2	4.6	0.0
do volunteer work	7.7	11.7	8.2	5.7	5.2	5.1	6.6	4.6	2.8	2.4	7.1
stay at home	4.9	3.6	3.9	6.2	5.2	4.2	8.9	5.0	9.7	10.3	3.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
College Objectives Noted as Being of High Priority											
allow airing of diff opinions...	25.4	18.8	27.5	22.0	36.4	44.0	27.6	27.9	19.5	19.1	*23.3*
conduct basic & applied research	30.1	51.9	42.3	19.9	12.7	16.3	9.0	8.4	28.2	30.8	*4.0*
create multi-cultural environ...	24.2	18.9	25.2	22.0	32.9	41.3	20.2	25.1	14.7	13.7	*24.6*
create positive undergrad exp...	40.7	29.6	44.5	39.9	53.1	51.6	52.7	56.0	30.8	28.7	*51.3*
devel apprec of multi-cultrl soc	21.8	15.6	26.1	18.4	31.7	35.9	21.0	30.0	15.0	15.8	*7.5*
devel community among fac/stdnts	20.5	7.9	22.8	18.9	36.2	33.0	43.3	37.8	23.4	20.6	*50.3*
devel leadership abil in stdnts.	27.0	12.9	17.2	37.5	34.4	40.9	27.4	26.7	23.8	21.9	*41.9*
devel leadership ability in fac.	16.3	16.6	10.8	14.3	20.2	20.7	15.7	21.8	13.7	13.9	*11.9*
economize and cut costs.....	23.5	20.9	23.2	27.0	22.4	27.0	17.0	17.3	17.5	18.0	*12.0*
enhance inst's national image...	53.3	60.4	72.3	41.9	52.2	58.3	42.8	46.6	34.6	33.2	*48.0*
facilitate cmty svcs involvement	13.3	4.4	21.1	12.4	22.0	24.5	26.5	15.3	11.5	11.2	*14.8*
help solve soc/eviron problems..	14.0	9.7	13.4	11.3	22.5	28.2	12.9	17.6	9.2	9.4	*6.6*
help students understand values.	24.5	12.0	39.9	20.3	38.6	35.9	44.7	40.0	13.2	10.6	*39.2*
hire faculty "stars".....	9.6	12.9	23.2	4.4	7.3	5.9	6.7	10.2	5.8	6.3	*0.0*
increase minorities in fac/admin	19.3	22.2	18.5	17.8	18.1	19.1	10.8	20.3	17.1	17.7	*11.7*
increase women in fac/admin.....	11.2	8.6	7.5	12.6	14.0	19.3	8.0	7.9	10.1	9.6	*15.0*
increase/maintain inst prestige.	52.9	54.7	77.6	40.5	57.4	56.2	58.6	58.8	37.5	36.6	*45.6*
promote intellectual development	50.7	41.5	70.0	44.4	62.1	60.8	61.3	64.6	37.3	35.5	*54.9*
raise money for the institution.	50.3	59.2	65.7	32.6	55.9	54.2	55.3	59.3	36.3	36.7	*32.2*
recruit more minority students..	25.3	23.7	26.0	24.9	27.4	32.3	17.0	24.4	18.5	18.8	*15.3*
teach students how to change soc	13.9	4.0	15.4	15.5	22.8	26.1	15.9	20.9	7.4	7.1	*11.0*
DISAGGREGATED RESPONSES											
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Studying or Doing Homework											
none.....	1.8	2.9	1.1	1.4	1.5	1.1	1.8	1.9	4.1	4.4	*1.2*
1-2.....	20.0	17.2	10.3	26.7	18.3	22.3	13.7	14.1	21.8	21.0	*30.3*
3-5.....	30.4	38.1	21.6	26.4	29.6	24.8	25.2	39.8	35.7	36.5	*27.3*
6-10.....	27.3	20.7	34.8	28.7	30.7	30.6	36.7	27.7	23.6	23.1	*28.7*
11-15.....	13.5	14.3	17.0	12.9	12.1	11.7	14.3	11.6	10.2	10.4	*8.6*
16-20.....	4.2	3.6	10.2	2.6	4.9	5.7	5.9	2.9	2.4	2.3	*2.8*
20-30.....	1.9	2.3	2.8	1.0	2.4	3.3	1.2	1.7	2.2	2.3	*1.1*
more than 30.....	0.8	1.1	2.2	0.3	0.6	0.6	1.1	0.4	0.0	0.0	*0.0*
Socializing with Friends											
none.....	0.1	0.2	0.4	0.0	0.2	0.0	0.3	0.4	0.0	0.0	*0.0*
1-2.....	2.4	2.8	3.9	1.7	2.3	1.7	3.1	2.7	3.1	3.2	*2.2*
3-5.....	12.5	11.7	9.6	11.7	15.6	19.2	11.3	11.9	11.0	11.9	*2.3*
6-10.....	23.4	24.7	27.0	19.1	25.9	24.5	23.5	29.5	20.7	20.3	*23.8*
11-15.....	25.8	29.1	22.6	29.1	19.1	12.6	27.2	25.6	22.1	21.5	*28.7*
16-20.....	16.1	14.0	16.4	17.1	17.3	22.0	15.7	10.4	17.8	17.7	*19.6*
20-30.....	8.9	9.4	10.8	9.0	7.6	7.2	8.2	7.8	16.3	16.4	*15.3*
more than 30.....	10.7	8.2	9.3	12.2	12.1	12.8	10.7	11.8	8.9	9.0	*8.1*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Talking w/Teacher Outside Class											
none	22.1	22.5	18.4	29.4	13.6	12.6	12.9	15.5	21.9	23.0	*10.2*
1-2	53.8	55.7	56.6	48.9	56.9	54.5	60.7	58.8	57.6	57.1	*63.5*
3-5	17.3	14.6	19.3	15.6	21.9	26.1	14.8	18.6	14.8	14.5	*17.6*
6-10	4.9	5.2	4.7	5.4	4.0	3.8	8.3	2.2	3.7	3.8	*3.0*
11-15	1.0	0.9	0.8	0.3	2.3	1.7	0.9	4.1	1.3	0.9	*5.7*
16-20	0.4	0.9	0.0	0.2	0.3	0.3	0.2	0.4	0.0	0.0	*0.0*
20-30	0.1	0.0	0.2	0.2	0.2	0.4	0.3	0.0	0.7	0.8	*0.0*
more than 30	0.3	0.1	0.0	0.1	0.8	0.7	1.9	0.4	0.0	0.0	*0.0*
Exercising or Sports											
none	3.8	1.5	4.8	3.8	6.1	3.5	5.3	10.8	7.4	7.3	*8.4*
1-2	11.0	8.3	12.0	12.2	12.1	13.0	8.0	12.8	9.9	9.9	*9.6*
3-5	18.3	24.2	19.7	14.2	16.1	17.0	18.3	13.4	27.5	28.2	*20.6*
6-10	20.3	24.0	17.0	17.9	20.2	23.0	18.5	16.6	15.0	15.1	*13.8*
11-15	22.5	20.4	20.3	24.3	23.5	27.0	14.4	22.5	20.8	21.1	*17.4*
16-20	11.8	11.1	13.2	12.1	11.6	9.5	18.0	11.8	11.7	10.5	*24.1*
20-30	5.9	6.6	6.5	5.1	6.0	4.5	8.2	7.3	3.1	3.4	*0.0*
more than 30	6.4	3.9	6.5	10.4	4.4	2.6	9.2	4.7	4.7	4.6	*6.0*
Using a Personal Computer											
none	44.6	47.0	42.5	42.0	45.9	47.2	40.0	46.6	47.2	48.0	*38.5*
1-2	26.3	24.3	33.6	24.0	28.9	29.2	33.3	26.0	23.2	23.2	*23.4*
3-5	16.1	15.1	14.6	18.7	14.6	15.0	15.8	13.5	18.6	17.8	*26.9*
6-10	8.2	9.7	5.3	9.4	6.0	3.5	7.1	9.4	7.8	7.9	*6.6*
11-15	2.7	2.8	2.0	2.6	2.9	3.5	2.2	2.1	1.6	1.7	*0.3*
16-20	1.2	0.4	1.6	2.2	0.8	0.5	0.4	1.4	0.7	0.8	*0.0*
20-30	0.4	0.5	0.3	0.5	0.3	0.0	0.8	0.6	0.0	0.0	*0.0*
more than 30	0.4	0.1	0.0	0.6	0.7	1.0	0.5	0.4	0.9	0.6	*4.2*
Partying											
none	15.8	13.3	17.0	13.0	21.9	25.0	7.4	24.3	16.1	15.8	*19.3*
1-2	19.2	17.1	22.7	19.1	20.4	21.4	17.9	20.0	18.7	18.2	*23.5*
3-5	25.8	26.6	26.0	25.3	25.4	25.0	35.6	20.9	18.4	18.7	*15.7*
6-10	18.6	21.8	16.4	19.7	14.2	14.5	15.6	13.2	17.5	17.2	*20.6*
11-15	9.2	7.6	7.6	10.8	9.5	6.6	12.7	12.7	13.0	14.0	*3.1*
16-20	3.7	4.9	5.5	2.1	3.5	3.2	4.8	3.3	7.2	7.7	*1.8*
20-30	4.7	5.1	2.7	6.5	2.5	2.9	3.5	1.3	3.0	2.2	*10.8*
more than 30	3.1	3.6	2.1	3.4	2.6	1.5	2.5	4.3	6.1	6.2	*5.3*
Working (For Pay)											
none	29.9	29.7	36.0	25.5	33.4	36.2	29.8	30.5	18.9	18.7	*21.7*
1-2	3.8	4.5	6.3	1.7	4.7	4.4	3.2	6.1	4.5	4.2	*7.7*
3-5	8.3	5.0	8.3	8.8	11.4	12.5	10.4	10.3	3.7	3.5	*5.5*
6-10	10.2	8.4	8.4	13.3	9.1	7.6	10.6	10.7	8.5	8.0	*13.9*
11-15	12.7	14.7	13.1	12.4	10.7	9.9	13.6	10.5	14.5	15.2	*7.5*
16-20	15.0	13.6	16.4	17.9	12.3	12.5	16.0	10.3	18.0	17.9	*18.9*
20-30	11.5	17.7	5.9	9.4	9.1	9.7	7.6	8.9	16.7	17.4	*9.6*
more than 30	8.7	6.5	5.7	11.0	9.3	7.3	8.9	12.9	15.1	15.1	*15.2*

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ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Volunteer Work											
none	54.3	58.7	40.1	56.0	52.3	51.7	48.2	55.4	60.6	61.1	*55.0*
1-2	28.9	27.1	34.5	26.6	31.9	33.5	35.3	27.5	25.4	25.4	*25.0*
3-5	11.0	8.9	16.9	11.9	10.2	9.5	12.1	10.1	8.3	7.7	*14.8*
6-10	3.0	3.4	4.1	2.5	3.0	3.0	2.6	3.1	1.2	1.3	*0.0*
11-15	1.1	1.1	1.8	1.1	0.9	1.3	1.1	0.0	2.3	2.2	*3.4*
16-20	0.5	0.2	0.4	1.2	0.1	0.0	0.4	0.0	1.9	1.9	*1.7*
20-30	0.2	0.0	1.0	0.2	0.3	0.5	0.2	0.0	0.0	0.0	*0.0*
more than 30	0.9	0.7	1.1	0.6	1.4	0.4	0.0	3.8	0.3	0.4	*0.0*
Student Clubs and Groups											
none	38.9	44.1	18.8	40.9	37.5	35.4	39.7	39.7	50.8	53.5	*23.3*
1-2	29.1	27.3	31.7	29.8	29.2	29.9	26.6	29.5	25.1	23.4	*42.1*
3-5	17.6	14.9	27.0	14.8	20.9	22.4	20.3	18.8	13.2	12.4	*21.1*
6-10	8.7	9.5	11.1	8.6	7.2	6.1	8.8	8.2	9.1	9.5	*5.6*
11-15	3.5	3.2	8.8	2.9	2.6	3.0	2.0	2.3	1.0	1.1	*0.0*
16-20	1.4	0.7	1.4	2.1	1.5	2.1	1.4	0.6	0.5	0.1	*4.5*
20-30	0.2	0.0	0.0	0.5	0.3	0.2	0.3	0.4	0.3	0.0	*3.4*
more than 30	0.5	0.3	1.1	0.4	0.8	0.9	0.9	0.6	0.0	0.0	*0.0*
Watching TV											
none	6.5	6.4	8.3	6.5	6.0	7.1	7.3	3.6	6.4	6.8	*1.5*
1-2	23.2	28.6	29.6	17.2	22.4	21.6	20.4	24.8	15.4	15.2	*17.3*
3-5	30.3	27.3	27.5	29.6	35.8	37.5	33.2	34.5	30.1	29.9	*31.9*
6-10	20.6	20.5	19.5	22.9	18.2	15.2	18.7	22.9	24.2	23.9	*27.7*
11-15	9.7	10.4	8.8	10.7	8.1	7.7	7.8	8.8	11.6	11.8	*9.2*
16-20	4.5	4.2	1.4	4.4	5.9	5.8	10.7	3.7	6.2	6.0	*8.4*
20-30	2.0	1.1	2.3	3.5	1.0	1.0	0.8	1.2	2.9	2.8	*4.1*
more than 30	3.1	1.5	2.5	5.2	2.4	4.0	1.0	0.6	3.2	3.5	*0.0*
Religious Services or Meetings											
none	37.1	45.0	24.7	35.7	34.2	42.3	25.6	25.4	36.7	38.7	*15.4*
1-2	46.0	44.3	47.7	47.9	45.0	37.1	61.4	49.5	49.9	50.9	*40.2*
3-5	13.2	8.4	23.9	12.8	15.2	16.3	10.6	15.7	10.8	8.3	*36.5*
6-10	2.5	1.8	3.1	2.4	3.2	3.1	2.0	4.0	1.9	1.3	*7.9*
11-15	0.7	0.0	0.5	0.4	2.1	1.1	0.4	4.7	0.0	0.0	*0.0*
16-20	0.2	0.5	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	*0.0*
20-30	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.7	0.8	*0.0*
more than 30	0.3	0.0	0.0	0.7	0.1	0.0	0.0	0.4	0.0	0.0	*0.0*
Hobbies											
none	10.4	10.2	10.0	11.0	9.8	11.5	6.9	8.7	5.5	5.7	*3.3*
1-2	24.1	29.3	27.0	20.4	21.7	20.3	24.8	22.4	19.8	19.8	*20.7*
3-5	34.1	26.8	33.6	37.8	38.3	40.1	35.0	37.1	29.6	30.6	*19.3*
6-10	16.3	14.7	15.0	16.5	18.4	17.4	21.1	18.7	28.5	28.4	*29.9*
11-15	6.5	7.9	7.7	5.0	6.3	5.2	7.3	7.7	5.0	4.9	*5.8*
16-20	3.1	2.7	3.6	3.8	2.4	2.7	2.4	2.0	6.7	6.3	*10.8*
20-30	3.2	7.4	1.3	1.7	0.9	1.4	1.1	0.0	2.0	1.6	*5.4*
more than 30	2.3	0.9	1.7	3.8	2.1	1.5	1.3	3.4	2.8	2.7	*4.8*

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MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Classes or Labs											
none	1.2	1.2	0.0	1.3	1.7	2.0	3.4	0.2	0.5	0.5	0.3
less than one	0.7	0.6	0.7	0.9	0.7	0.5	2.4	0.0	0.5	0.5	0.0
1-2	1.7	1.4	1.2	1.7	2.1	2.8	1.0	1.5	1.7	1.7	1.4
3-5	6.0	3.9	4.4	6.3	8.7	8.2	9.3	9.1	7.4	8.0	1.5
6-10	13.6	10.0	13.3	16.4	14.6	14.5	11.3	16.5	13.6	14.0	10.0
11-15	35.1	37.4	42.6	33.8	31.3	27.0	33.4	37.1	28.8	28.1	35.3
16-20	27.8	34.7	27.6	22.2	27.0	28.8	28.0	23.5	29.2	29.0	30.9
more than 20	13.7	10.8	10.1	17.4	14.0	16.2	11.2	12.0	18.3	18.1	20.6
Studying or Homework											
none	0.3	0.6	0.7	0.1	0.2	0.1	0.6	0.0	0.9	1.0	*0.0*
less than one	0.8	0.3	0.4	1.3	1.0	0.7	1.2	1.4	1.1	1.0	*1.5*
1-2	6.7	4.0	4.3	10.3	6.1	4.2	8.1	8.2	12.0	12.9	*2.9*
3-5	23.0	27.8	13.0	18.5	26.6	27.4	23.2	26.9	19.7	18.9	*28.0*
6-10	24.5	24.5	26.1	23.6	25.0	24.4	30.6	22.9	30.7	30.1	*36.4*
11-15	17.2	18.2	16.2	17.0	16.8	15.4	14.2	20.4	18.3	18.6	*15.8*
16-20	14.4	11.8	17.0	15.8	14.7	17.3	14.2	10.2	9.5	9.5	*9.7*
more than 20	13.1	12.7	22.3	13.5	9.8	10.3	7.9	9.9	7.9	8.1	*5.8*
Socializing with Friends											
none	0.1	0.0	0.0	0.0	0.5	0.2	0.8	0.8	0.0	0.0	0.0
less than one	0.5	0.1	1.3	0.9	0.1	0.1	0.3	0.0	2.2	2.2	2.3
1-2	5.3	2.2	2.6	9.7	4.3	5.9	2.6	2.5	3.9	3.2	10.1
3-5	12.9	10.0	12.7	13.4	15.8	14.5	12.5	19.8	18.3	17.5	25.8
6-10	25.9	27.3	21.5	26.0	25.6	20.6	33.2	30.3	26.4	27.3	17.9
11-15	21.5	22.0	22.0	20.6	22.1	28.6	21.5	11.0	15.6	16.4	8.2
16-20	13.2	15.0	15.2	11.6	12.3	12.1	9.6	14.3	9.4	8.6	17.2
more than 20	20.6	23.4	24.9	17.7	19.3	18.1	19.5	21.5	24.3	24.9	18.5
Talking w/Faculty Outside Class											
none	7.0	10.1	7.7	6.2	4.3	2.2	8.8	5.4	7.6	8.3	1.5
less than one	37.4	40.9	44.0	37.9	30.3	26.4	31.3	36.6	40.4	42.4	21.6
1-2	38.1	35.9	36.0	36.5	43.4	46.0	42.2	39.6	33.5	30.8	59.5
3-5	14.2	11.3	10.1	15.3	17.7	20.1	12.7	16.3	12.6	12.2	16.4
6-10	2.2	0.7	1.9	2.3	4.0	5.1	3.9	2.1	2.5	2.7	1.1
11-15	0.7	0.2	0.2	1.6	0.2	0.3	0.0	0.0	1.3	1.4	0.0
16-20	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.9	0.0
more than 20	0.1	0.0	0.0	0.2	0.2	0.0	1.0	0.0	0.4	0.4	0.0
Exercising or Sports											
none	4.5	4.3	2.7	6.5	2.8	2.8	1.5	3.5	4.9	5.3	1.1
less than one	9.1	11.2	11.7	5.8	10.1	11.5	5.5	10.1	9.1	8.7	13.4
1-2	19.2	15.7	24.1	20.6	20.0	21.4	24.3	15.1	20.4	21.4	10.6
3-5	28.4	30.6	25.9	29.4	25.4	27.4	24.8	22.2	30.2	28.9	42.3
6-10	20.5	21.1	25.1	18.4	20.7	15.7	20.9	29.3	20.3	20.3	20.1
11-15	8.9	7.3	6.4	9.3	11.4	15.0	8.0	6.9	7.7	7.5	9.8
16-20	4.4	6.1	1.0	3.6	4.7	3.0	6.6	6.7	5.0	5.2	2.8
more than 20	4.9	3.7	3.1	6.4	4.9	3.2	8.4	6.3	2.4	2.7	0.0

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MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Reading for Pleasure											
none	19.6	21.8	14.3	25.4	11.5	11.6	12.2	11.2	16.5	17.8	4.2
less than one	24.7	25.7	27.5	23.5	23.8	22.0	21.4	28.3	26.1	25.6	31.1
1-2	32.3	25.6	33.2	33.5	38.5	42.9	35.1	32.8	31.6	30.3	44.7
3-5	16.1	20.6	21.9	10.3	16.1	16.2	23.1	12.3	18.2	18.6	14.0
6-10	5.0	3.0	2.6	5.4	7.9	6.2	7.4	11.0	2.6	2.3	6.0
11-15	1.1	1.3	0.0	1.1	1.3	0.9	0.5	2.2	1.7	1.8	0.0
16-20	0.7	1.3	0.0	0.6	0.6	0.1	0.0	1.9	0.0	0.0	0.0
more than 20	0.4	0.7	0.5	0.2	0.3	0.2	0.3	0.3	3.3	3.6	0.0
Using a Personal Computer											
none	12.0	13.5	6.4	13.3	10.7	9.1	11.7	13.0	17.3	17.4	16.2
less than one	16.5	19.5	16.7	16.6	12.8	11.6	9.1	16.8	23.0	23.0	23.5
1-2	22.4	25.5	21.4	19.5	22.6	22.5	21.9	23.2	18.9	18.2	25.7
3-5	22.6	19.0	28.3	24.5	22.4	19.4	29.3	24.0	19.9	20.2	16.6
6-10	13.6	11.3	14.5	13.9	15.4	18.2	13.6	11.6	7.5	7.3	9.3
11-15	6.4	5.1	6.3	4.7	10.1	12.3	7.8	7.4	4.6	4.7	3.9
16-20	2.3	2.2	1.6	1.7	3.5	4.1	4.1	2.2	3.2	3.0	4.9
more than 20	4.2	3.8	4.9	5.7	2.4	2.9	2.5	1.7	5.6	6.2	0.0
Partying											
none	9.7	6.2	10.9	11.7	10.9	12.9	3.5	11.4	9.5	9.0	14.2
less than one	11.4	8.0	11.7	11.9	14.6	17.2	11.7	11.7	6.7	6.1	12.3
1-2	16.3	16.1	10.5	18.8	15.5	13.8	17.2	17.6	17.4	16.7	23.8
3-5	25.9	27.3	26.0	25.0	25.4	27.0	22.2	24.3	20.6	20.8	19.2
6-10	20.8	23.7	21.5	20.7	17.3	14.7	21.5	19.7	21.9	21.8	22.5
11-15	7.1	9.9	9.7	4.3	6.3	6.6	9.3	4.1	11.1	11.4	8.1
16-20	4.3	3.3	4.8	3.5	6.4	5.4	8.4	7.0	4.1	4.5	0.0
more than 20	4.5	5.4	4.8	4.2	3.5	2.4	6.2	4.1	8.7	9.6	0.0
Working (For Pay)											
none	26.3	31.7	26.9	22.8	24.2	24.4	22.4	24.9	34.2	36.5	13.1
less than one	2.5	2.0	1.7	3.2	2.5	1.9	2.2	3.8	1.9	1.8	3.2
1-2	3.4	3.5	4.8	2.7	3.7	4.3	2.8	3.2	3.5	3.1	7.1
3-5	6.0	3.6	6.2	4.4	10.7	13.2	8.0	8.0	5.4	5.5	4.4
6-10	12.9	9.6	16.7	13.0	15.2	16.1	15.1	13.8	13.9	12.8	24.2
11-15	10.8	8.4	13.1	11.3	12.1	12.0	11.4	12.8	9.4	9.3	10.2
16-20	14.8	19.0	15.2	11.8	13.4	14.1	15.8	11.1	10.8	10.8	11.1
more than 20	23.4	22.4	15.5	30.8	18.0	14.0	22.3	22.5	20.9	20.3	26.7
Volunteer Work											
none	59.0	60.2	54.7	64.2	52.3	50.6	54.2	54.3	69.4	72.4	40.2
less than one	14.8	12.7	18.9	14.2	16.5	14.0	19.0	19.6	14.2	12.6	30.4
1-2	14.7	11.6	16.1	13.3	19.7	26.0	11.1	13.4	5.2	4.1	15.7
3-5	6.0	4.7	7.8	5.5	7.4	5.8	10.9	8.3	7.1	7.1	7.6
6-10	2.0	2.4	1.2	1.3	2.5	2.3	2.6	2.7	1.2	1.1	1.7
11-15	0.5	1.1	0.5	0.0	0.4	0.7	0.2	0.0	0.0	0.0	0.0
16-20	0.6	0.7	0.3	0.5	0.8	0.1	1.9	1.5	0.1	0.0	1.3
more than 20	2.6	6.7	0.4	1.1	0.4	0.5	0.0	0.3	2.7	2.7	3.2

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Student Clubs/Groups											
none	42.6	51.1	31.6	44.4	34.2	35.4	29.1	34.8	56.1	58.9	29.3
less than one	12.7	9.3	14.8	11.7	17.1	19.9	17.9	11.7	11.5	10.4	23.0
1-2	20.6	15.7	23.1	22.3	23.4	20.1	29.5	26.0	20.3	19.5	27.2
3-5	12.8	11.5	16.7	12.7	13.1	12.8	11.6	14.2	8.0	6.9	18.7
6-10	5.3	6.8	5.4	3.3	6.2	6.3	7.3	5.6	2.2	2.3	1.7
11-15	2.9	2.7	2.8	2.7	3.4	3.0	2.3	4.8	0.6	0.7	0.0
16-20	1.2	1.4	2.1	0.8	1.0	1.0	0.2	1.3	0.0	0.0	0.0
more than 20	1.9	1.6	3.5	2.0	1.6	1.5	2.1	1.6	1.2	1.4	0.0
Watching TV											
none	6.3	4.1	10.9	7.0	6.5	8.2	4.5	4.5	3.3	2.8	8.0
less than one	9.7	8.7	12.1	10.0	9.6	10.8	7.0	8.9	10.0	10.3	7.6
1-2	20.9	21.7	22.9	18.3	22.6	25.0	20.2	19.6	18.7	18.1	23.7
3-5	32.6	32.7	26.5	35.7	30.7	28.1	31.4	34.8	26.6	26.7	25.6
6-10	17.0	17.0	19.5	14.3	19.6	16.8	24.2	21.8	21.9	21.6	25.1
11-15	7.2	7.3	3.9	9.2	5.5	5.2	6.7	5.5	10.0	10.4	6.7
16-20	3.1	4.8	1.9	2.8	1.8	1.5	2.1	2.2	5.0	5.4	1.6
more than 20	3.3	3.7	2.3	2.8	3.7	4.3	3.8	2.7	4.5	4.8	1.8
Commuting to Campus											
none	39.9	34.7	46.2	33.9	51.5	57.5	44.8	44.7	30.9	29.5	44.5
less than one	18.1	18.9	19.3	20.1	14.3	13.6	14.2	15.7	22.1	21.9	24.2
1-2	18.8	20.1	19.0	21.4	13.9	10.4	12.2	20.7	18.9	19.3	14.9
3-5	16.0	22.4	9.3	16.2	10.8	9.4	19.5	8.5	15.7	16.5	7.8
6-10	5.5	3.4	5.3	7.1	5.9	4.8	3.6	8.9	4.7	4.6	4.9
11-15	0.7	0.2	0.0	0.4	2.0	1.9	3.5	1.5	2.9	2.9	2.5
16-20	0.3	0.3	0.0	0.3	0.6	0.9	0.6	0.0	0.9	0.8	1.3
more than 20	0.6	0.0	0.9	0.6	1.1	1.5	1.7	0.0	4.0	4.5	0.0
Religious Services or Meetings											
none	50.0	60.6	38.2	49.3	42.8	49.2	29.8	38.5	51.7	56.2	8.2
less than one	23.8	21.0	24.5	26.4	23.6	19.3	27.7	28.8	21.8	20.9	29.9
1-2	18.5	13.4	20.9	19.8	21.9	18.1	34.2	21.9	19.8	17.7	40.4
3-5	5.7	3.4	14.2	3.6	8.1	11.0	3.3	5.4	2.2	0.9	14.7
6-10	0.8	0.7	2.2	0.2	1.3	1.2	1.6	1.2	2.0	1.5	6.8
11-15	0.4	0.0	0.0	0.0	1.6	0.6	0.9	3.7	0.0	0.0	0.0
16-20	0.2	0.2	0.0	0.0	0.4	0.4	0.0	0.4	0.0	0.0	0.0
more than 20	0.6	0.6	0.0	0.7	0.5	0.1	2.4	0.0	2.4	2.7	0.0
Hobbies											
none	16.9	23.7	19.5	11.4	14.9	17.1	10.1	13.8	17.4	18.7	5.1
less than one	21.2	18.9	19.4	26.6	17.7	16.6	14.5	21.3	15.4	15.3	16.4
1-2	26.9	21.3	23.9	30.3	30.4	31.0	33.5	27.7	25.2	24.1	36.3
3-5	20.1	21.1	21.9	15.4	24.4	24.7	30.3	20.7	20.2	19.8	23.4
6-10	7.6	8.2	9.9	7.1	6.7	5.9	7.2	7.6	12.5	12.3	14.7
11-15	4.3	3.9	2.4	5.7	3.8	2.3	2.3	7.1	3.7	4.1	0.0
16-20	1.2	1.0	0.9	2.0	0.4	0.1	0.9	0.6	4.0	4.1	2.9
more than 20	1.7	1.9	2.0	1.5	1.8	2.4	1.0	1.1	1.6	1.6	1.3

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986											
accountant or actuary	4.5	4.7	1.4	5.1	4.7	2.5	7.5	6.8	2.9	1.8	*15.1*
actor or entertainer	0.9	1.1	0.9	0.4	1.5	1.2	2.1	1.7	1.5	1.6	*0.3*
architect or urban planner	1.8	3.1	2.5	1.1	0.7	1.2	0.0	0.3	4.2	4.6	*0.0*
artist	1.0	0.3	0.4	0.3	2.9	5.3	0.4	0.6	1.7	1.3	*6.3*
business (clerical)	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.6	0.7	*0.0*
business executive (management)	14.4	14.3	16.0	12.6	16.2	16.9	25.6	10.4	12.9	13.2	*9.5*
business owner or proprietor	8.5	7.5	4.8	9.8	9.6	10.7	8.9	8.2	2.3	1.6	*10.3*
business salesperson or buyer	1.1	0.3	0.0	1.9	1.3	1.5	2.2	0.7	0.5	0.6	*0.0*
clergy (minister,priest)	0.3	0.0	0.2	0.0	1.0	0.8	1.8	0.9	0.0	0.0	*0.0*
clergy (other religious)	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.3	0.0	0.0	*0.0*
clinical psychologist	0.7	1.5	0.0	0.0	0.7	0.9	0.9	0.2	0.0	0.0	*0.0*
college teacher	0.6	0.4	0.6	1.0	0.5	0.4	1.5	0.3	0.5	0.5	*0.0*
computer programmer or analyst	5.0	2.6	2.6	9.1	3.4	3.4	1.3	4.5	2.1	2.3	*0.3*
conservationist or forester	0.5	0.7	0.0	0.6	0.5	0.7	0.4	0.4	2.7	2.9	*0.0*
dentist (including orthodontist)	1.7	1.2	1.4	2.2	2.0	1.0	1.1	3.9	0.3	0.3	*0.0*
dietitian or home economist	0.1	0.0	0.0	0.0	0.3	0.5	0.0	0 0	0.0	0.0	*0.0*
engineer	13.5	18.0	20.4	11.7	7.5	10.5	7.2	3.1	27.9	30.4	*1.8*
farmer or rancher	0.6	1.3	0.0	0.5	0.2	0.3	0.2	0.0	3.3	3.6	*0.0*
frgn svc worker (incl diplomat)	1.2	1.3	1.4	0.4	2.1	2.0	0.9	2.8	0.6	0.7	*0.0*
homemaker (full-time)	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
interior decorator or designer	0.1	0.0	0.9	0.0	0.1	0.3	0.0	0.0	0.0	0.0	*0.0*
intepreter (translator)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
lab technician or hygienist	0.2	0.0	0.4	0.1	0.4	0.8	0.0	0.0	0.9	0.9	*0.0*
law enforcement officer	0.6	0.0	0.0	1.5	0.5	0.2	2.2	0.0	1.9	1.6	*4.6*
lawyer (attorney) or judge	4.2	2.7	9.1	2.8	5.8	7.7	3.3	4.2	3.1	3.4	*0.0*
military service (career)	3.2	1.8	1.6	6.8	0.7	1.1	0.7	0.0	0.9	1.0	*0.0*
musician (performer,composer)	1.0	0.6	1.3	1.5	0.9	0.7	0.1	1.5	1.7	0.8	*10.5*
nurse	0.2	0.0	0.0	0.4	0.2	0.0	1.0	0.0	0.0	0.0	*0.0*
optometrist	0.2	0.0	0.4	0.2	0.5	0.2	0.4	0.9	0.1	0.0	*1.4*
pharmacist	0.5	0.7	1.0	0.3	0.4	0.7	0.0	0.0	0.1	0.0	*1.0*
physician	4.7	5.3	10.4	2.2	4.9	5.0	6.8	3.8	1.5	1.4	*2.8*
school counselor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
school principal/superintendent	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	*0.0*
scientific researcher	2.3	2.7	3.9	1.2	2.4	3.0	0.5	2.4	0.0	0.0	*0.0*
social,welfare,recreational work	0.5	0.1	0.4	1.2	0.0	0.0	0.0	0.0	0.6	0.6	*0.0*
statistician	0.2	0.0	0.0	0.5	0.1	0.0	0.0	0.3	0.2	0.0	*2.0*
therapist (phys,occup,speech)	1.1	1.7	0.0	0.6	1.4	0.3	1.3	3.1	0.0	0.0	*0.0*
teacher (elementary)	0.8	0.3	0.0	1.1	1.4	0.3	0.5	3.5	0.0	0.0	*0.0*
teacher (secondary)	3.4	2.0	1.9	4.6	4.3	2.2	2.3	8.6	3.3	3.1	*4.9*
veterinarian	0.5	0.9	0.0	0.7	0.2	0.2	0.5	0.0	0.8	0.9	*0.0*
writer or journalist	2.2	1.7	1.6	2.4	2.8	3.1	2.7	2.5	0.2	0.0	*2.6*
skilled trades	0.2	0.0	0.6	0.2	0.2	0.2	0.0	0.4	1.8	2.0	*0.0*
other	6.8	10.4	3.3	6.3	4.6	4.4	6.8	3.9	11.6	11.7	*11.1*
undecided	10.5	10.4	10.3	9.0	12.7	9.6	8.4	19.6	7.3	6.6	*15.5*

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ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1990											
accountant or actuary	4.7	4.6	3.7	4.3	5.5	2.8	12.1	6.2	3.8	3.8	*3.4*
actor or entertainer	0.9	0.7	1.2	0.2	1.9	2.5	2.0	1.0	0.3	0.3	*0.0*
architect or urban planner	1.9	2.0	2.9	2.7	0.6	0.6	0.4	0.5	1.7	1.8	*0.0*
artist	2.0	2.5	0.7	1.5	2.6	4.2	1.5	0.6	0.6	0.6	*0.0*
business (clerical)	0.2	0.0	0.4	0.3	0.4	0.0	0.0	1.1	0.0	0.0	*0.0*
business executive (management)	16.3	18.9	17.2	12.5	17.9	15.3	19.5	21.2	22.6	21.6	*32.5*
business owner or proprietor	3.6	4.0	2.3	3.1	4.4	3.2	4.5	6.3	2.0	1.7	*4.3*
business salesperson or buyer	4.1	2.9	5.3	5.3	3.5	3.2	6.0	2.5	2.3	2.2	*3.2*
clergy (minister,priest)	0.5	0.2	1.1	0.0	1.1	1.4	1.7	0.4	0.9	0.6	*3.8*
clergy (other religious)	0.2	0.0	0.0	0.0	0.6	0.3	0.4	1.2	0.0	0.0	*0.0*
clinical psychologist	1.6	1.4	0.0	2.4	1.2	1.1	0.5	1.7	0.8	0.8	*0.0*
college teacher	2.7	2.0	3.3	0.7	5.8	4.8	6.5	6.9	0.2	0.0	*2.0*
computer programmer or analyst	6.0	5.6	4.1	9.4	2.8	3.2	1.5	2.9	2.7	2.9	*0.3*
conservationist or forester	1.1	0.7	0.0	1.6	1.4	2.4	0.0	0.4	3.6	3.8	*1.0*
dentist (including orthodontist)	0.4	0.6	0.4	0.0	0.8	0.5	0.6	1.2	0.8	0.9	*0.0*
dietitian or home economist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
engineer	10.6	15.0	15.3	8.8	5.7	7.2	2.7	5.1	16.8	18.5	*0.0*
farmer or rancher	0.7	1.6	0.0	0.5	0.1	0.0	0.0	0.3	2.1	2.3	*0.0*
frgn svc worker (incl diplomat)	0.7	0.3	0.8	0.0	2.1	3.5	0.5	0.8	0.7	0.8	*0.0*
homemaker (full-time)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
interior decorator or designer	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
intepreter (translator)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
lab technician or hygienist	0.9	0.3	0.0	2.0	0.6	0.6	0.0	0.8	0.0	0.0	*0.0*
law enforcement officer	1.8	1.1	2.0	2.8	1.1	0.6	1.1	2.0	3.3	3.2	*5.0*
lawyer (attorney) or judge	4.6	4.5	10.7	2.7	4.8	6.6	4.6	2.1	3.4	3.8	*0.0*
military service (career)	3.3	0.6	1.1	8.0	1.1	0.7	3.8	0.4	3.7	3.8	*2.2*
musician (performer,composer)	1.1	0.8	1.5	1.1	1.3	0.0	0.1	4.0	1.2	0.9	*4.1*
nurse	0.1	0.0	0.0	0.0	0.2	0.0	1.2	0.0	0.0	0.0	*0.0*
optometrist	0.3	0.2	0.0	0.5	0.3	0.4	0.0	0.2	0.0	0.0	*0.0*
pharmacist	0.3	0.4	0.3	0.3	0.2	0.2	0.0	0.2	0.6	0.6	*0.0*
physician	3.0	4.0	7.3	1.0	2.7	3.0	3.1	2.2	0.8	0.6	*2.8*
school counselor	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.2	0.0	*2.3*
school principal/superintendent	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	*0.0*
scientific researcher	2.5	2.0	3.0	2.3	3.3	4.0	1.8	3.0	1.2	1.3	*0.0*
social,welfare,recreational work	2.4	0.0	0.0	6.6	1.0	0.9	1.0	1.1	0.2	0.0	*1.9*
statistician	0.2	0.4	0.0	0.0	0.2	0.3	0.0	0.0	0.6	0.7	*0.0*
therapist (phys,occup,speech)	0.7	0.9	0.6	1.0	0.4	0.2	0.4	0.5	0.0	0.0	*0.0*
teacher (elementary)	1.0	0.0	0.0	1.5	2.1	0.8	1.4	4.4	1.5	1.1	*5.8*
teacher (secondary)	4.1	2.1	1.2	4.6	7.1	9.3	3.4	5.5	1.1	1.2	*0.0*
veterinarian	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
writer or journalist	2.2	1.5	2.5	2.3	2.8	4.7	1.5	0.4	0.5	0.4	*2.4*
skilled trades	0.8	1.1	0.0	1.0	0.5	0.0	0.0	1.6	4.0	4.2	*1.9*
other	7.5	11.6	6.2	5.2	6.2	5.3	7.2	7.0	13.2	13.1	*13.3*
undecided	4.8	4.9	5.1	3.9	5.8	6.0	8.2	4.3	2.8	2.3	*7.8*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986											
ARTS AND HUMANITIES											
art, fine and applied	1.2	0.8	1.3	0.3	2.9	5.1	0.4	0.6	3.0	2.3	*9.7*
English (language & literature)	0.9	0.5	2.9	0.8	0.6	0.6	1.9	0.0	0.0	0.0	*0.0*
history	1.3	0.6	2.8	1.3	1.4	1.5	0.8	1.6	0.2	0.0	*1.7*
journalism	1.5	1.0	1.7	1.8	1.5	1.8	1.1	1.3	0.2	0.0	*2.0*
language/literature (except Eng)	0.5	0.8	0.2	0.0	0.8	0.4	0.2	1.8	0.0	0.0	*0.0*
music	1.2	0.8	2.0	0.6	2.1	1.5	0.1	4.2	0.5	0.0	*5.3*
philosophy	0.2	0.0	0.4	0.0	0.5	0.5	1.1	0.3	0.0	0.0	*0.0*
speech	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
theater or drama	0.4	0.0	0.6	0.5	0.7	0.9	1.2	0.0	0.7	0.3	*4.0*
theology or religion	0.2	0.0	0.0	0.0	0.8	0.6	0.4	1.4	0.6	0.6	*1.4*
other arts and humanities	0.2	0.6	0.0	0.0	0.1	0.1	0.0	0.0	1.8	2.0	*0.0*
BIOLOGICAL SCIENCES											
biology (general)	3.3	1.4	2.9	6.4	1.8	2.0	1.8	1.3	2.4	2.5	*1.6*
biochemistry or biophysics	0.6	0.5	0.7	0.4	0.9	1.2	1.0	0.5	0.8	0.9	*0.0*
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
marine (life) science	0.9	0.7	0.7	1.6	0.5	0.5	0.8	0.3	0.5	0.5	*0.0*
microbiology or bacteriology	0.4	0.5	1.6	0.0	0.2	0.0	0.4	0.4	0.0	0.0	*0.0*
zoology	0.4	0.8	0.0	0.0	0.4	0.6	0.0	0.2	0.0	0.0	*0.0*
other biological science	0.6	0.5	1.2	0.5	0.6	0.6	0.9	0.4	0.7	0.5	*3.2*
BUSINESS											
accounting	4.3	3.2	1.9	5.6	4.8	3.0	11.1	4.4	3.2	2.1	*13.5*
business admin (general)	8.4	5.8	10.6	4.5	15.2	19.6	11.8	9.3	7.3	6.5	*14.7*
finance	4.5	7.9	4.6	3.3	2.0	1.0	6.3	1.6	1.5	1.4	*1.8*
marketing	2.6	3.3	1.2	1.4	3.6	3.8	6.4	1.9	1.4	1.6	*0.0*
management	4.4	4.0	3.6	4.2	5.5	5.5	8.9	3.7	5.6	6.0	*2.0*
secretarial studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other business	1.1	1.7	1.1	0.6	1.2	1.0	3.7	0.2	0.1	0.0	*1.1*
EDUCATION											
business education	0.2	0.0	0.0	0.4	0.2	0.0	1.3	0.0	0.7	0.8	*0.0*
elementary education	1.0	0.3	0.0	1.1	2.0	1.5	0.5	3.6	0.0	0.0	*0.0*
music or art education	0.4	0.0	0.0	1.1	0.2	0.3	0.0	0.2	0.0	0.0	*0.0*
physical education or recreation	0.5	0.2	0.3	0.6	0.9	0.5	0.0	2.0	0.3	0.0	*3.6*
secondary education	1.6	1.1	0.5	2.1	1.9	1.0	1.1	3.8	3.1	3.1	*2.5*
special education	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other education	0.1	0.0	0.5	0.0	0.1	0.0	0.0	0.2	0.0	0.0	*0.0*
ENGINEERING											
aeronautical/astronautical eng	4.3	4.5	2.1	7.1	1.3	1.3	1.7	1.3	5.0	5.3	*2.0*
civil engineering	1.1	1.3	3.7	0.8	0.3	0.3	0.5	0.3	1.2	1.3	*0.0*
chemical engineering	0.6	0.6	1.7	0.4	0.6	0.8	0.6	0.2	2.8	3.1	*0.0*
electrical engineering	4.5	4.7	7.5	4.9	2.9	4.5	1.6	0.7	12.1	13.4	*0.0*
industrial engineering	0.6	0.9	1.2	0.4	0.4	0.3	0.2	0.6	0.2	0.3	*0.0*
mechanical engineering	3.1	4.8	4.7	2.1	1.9	2.7	1.5	0.6	4.0	4.4	*0.0*
other engineering	1.0	1.2	3.3	0.6	0.5	0.6	0.7	0.4	2.4	2.5	*1.6*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
atmospheric science	0.1	0.0	0.0	0.1	0.2	0.2	0.6	0.0	0.4	0.4	*0.0*
chemistry	1.3	0.8	1.8	1.0	2.1	1.8	0.8	3.2	0.0	0.0	*0.0*
earth science	0.4	0.6	0.0	0.5	0.1	0.0	0.0	0.3	0.0	0.0	*0.0*
marine science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
mathematics	1.2	1.4	1.0	1.0	1.2	0.8	0.5	2.2	0.6	0.7	*0.0*
physics	1.7	1.5	2.1	2.1	1.2	1.2	0.3	1.7	0.0	0.0	*0.0*
statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other physical science	0.4	1.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
PROFESSIONAL											
architecture or urban planning	1.4	3.2	1.2	0.7	0.5	0.9	0.0	0.0	2.9	3.2	*0.0*
home economics	0.1	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	*0.0*
health technology (med,dent,lab)	1.4	0.5	0.6	2.0	2.1	0.8	1.7	4.4	4.8	5.0	*3.1*
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
nursing	0.1	0.0	0.0	0.0	0.2	0.0	1.0	0.2	0.0	0.0	*0.0*
pharmacy	0.4	0.8	0.0	0.3	0.1	0.3	0.0	0.0	0.0	0.0	*0.0*
predent,premed,prevet	3.3	4.1	5.7	1.8	3.3	1.8	5.9	4.5	1.6	1.4	*3.7*
therapy (occup,phys,speech)	1.0	1.0	0.0	1.1	1.2	0.3	1.3	2.7	0.0	0.0	*0.0*
other professional	0.6	0.8	0.4	0.2	1.1	0.6	0.8	1.9	1.9	2.0	*1.1*
SOCIAL SCIENCES											
anthropology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
economics	1.0	0.4	3.2	0.0	1.9	1.9	0.5	2.6	0.0	0.0	*0.0*
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
geography	0.4	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
political science	2.9	3.1	3.8	1.5	3.9	4.8	2.7	2.9	0.3	0.4	*0.0*
psychology	3.2	8.5	0.9	0.6	1.2	1.5	1.7	0.5	0.3	0.0	*3.2*
social work	0.2	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
sociology	0.3	0.0	0.0	0.7	0.2	0.1	0.0	0.6	0.0	0.0	*0.0*
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other social science	0.1	0.0	0.0	0.1	0.2	0.2	0.9	0.0	0.4	0.4	*0.0*
TECHNICAL											
building trades	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.0	1.2	*0.0*
data processing or computer prog	1.7	0.5	1.5	3.4	1.3	1.4	0.0	1.8	0.4	0.4	*0.3*
drafting or design	0.4	0.3	0.0	0.6	0.6	0.7	0.0	0.8	0.9	1.0	*0.0*
electronics	0.1	0.2	0.0	0.2	0.1	0.1	0.0	0.0	2.7	3.0	*0.0*
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other technical	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.5	1.8	2.0	*0.0*
OTHER											
agriculture	1.7	1.7	0.0	3.7	0.1	0.2	0.0	0.0	2.3	2.5	*0.0*
communications (radio,TV,etc.)	2.2	1.7	2.3	2.0	2.9	3.3	1.8	2.9	3.0	2.8	*4.8*
computer science	3.6	2.7	2.0	6.3	1.9	2.0	0.7	2.3	2.3	2.6	*0.0*
forestry	0.4	0.5	0.0	0.7	0.1	0.0	0.3	0.0	2.3	2.4	*1.3*
law enforcement	0.7	0.0	0.6	1.1	1.1	0.4	4.7	0.5	1.9	1.6	*4.1*
military science	0.3	0.0	0.0	0.7	0.1	0.2	0.0	0.0	0.4	0.5	*0.0*
other field	0.9	1.5	0.5	0.7	0.7	0.9	0.0	0.8	1.4	1.2	*3.1*
undecided	8.0	7.4	4.9	8.9	8.7	7.4	4.2	13.4	3.9	3.9	*3.7*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990											
ARTS AND HUMANITIES											
art, fine and applied	2.6	2.6	2.2	1.5	4.0	6.4	1.0	1.3	0.7	0.6	*1.3*
English (language & literature)	2.3	2.4	4.3	0.9	3.3	3.1	5.1	2.6	0.3	0.2	*1.4*
history	3.5	2.6	6.7	3.5	3.6	2.5	4.8	5.0	3.5	3.6	*1.8*
journalism	1.0	1.8	0.5	1.0	0.3	0.5	0.0	0.0	0.7	0.3	*3.9*
language/literature (except Eng)	0.3	0.1	1.3	0.0	0.7	0.4	1.5	0.9	0.0	0.0	*0.0*
music	0.7	0.5	0.7	0.2	1.7	1.1	0.1	3.5	0.9	0.3	*6.6*
philosophy	0.3	0.3	0.2	0.0	0.8	0.9	1.7	0.2	0.0	0.0	*0.0*
speech	0.6	0.4	0.5	0.9	0.4	0.0	0.0	1.2	0.4	0.5	*0.0*
theater or drama	0.4	0.4	0.0	0.0	1.0	1.1	1.5	0.4	0.3	0.3	*0.0*
theology or religion	0.2	0.0	0.0	0.0	0.9	1.1	0.8	0.6	0.2	0.0	*2.0*
other arts and humanities	0.7	0.8	0.8	0.8	0.3	0.2	1.1	0.0	1.0	0.8	*2.9*
BIOLOGICAL SCIENCES											
biology (general)	3.2	2.0	3.1	3.3	4.5	3.5	4.2	6.4	0.9	0.6	*3.8*
biochemistry or biophysics	0.6	1.0	0.7	0.3	0.4	0.2	0.8	0.5	0.0	0.0	*0.0*
botany	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	*0.0*
marine (life) science	0.2	0.0	0.0	0.1	0.5	0.9	0.0	0.0	0.0	0.0	*0.0*
microbiology or bacteriology	0.3	0.4	0.6	0.0	0.4	0.5	0.0	0.3	0.0	0.0	*0.0*
zoology	0.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other biological science	0.3	0.2	0.5	0.2	0.3	0.3	0.4	0.2	0.5	0.6	*0.0*
BUSINESS											
accounting	4.0	3.4	5.2	3.6	4.9	3.9	13.8	2.0	3.2	3.4	*1.5*
business admin (general)	3.5	2.6	2.2	2.9	6.0	3.4	6.4	10.4	6.5	5.7	*14.0*
finance	5.6	9.0	7.0	3.3	3.9	2.8	8.1	3.7	4.0	4.1	*2.8*
marketing	2.9	2.6	3.9	2.2	3.9	3.4	5.3	4.2	5.0	4.2	*12.3*
management	6.8	4.9	1.6	8.0	9.2	11.2	3.4	8.7	7.6	7.7	*7.0*
secretarial studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other business	2.0	2.5	1.2	2.5	1.1	0.1	0.4	3.2	4.0	4.5	*0.0*
EDUCATION											
business education	0.2	0.0	0.0	0.4	0.1	0.3	0.0	0.0	0.0	0.0	*0.0*
elementary education	0.9	0.0	0.0	1.5	1.6	0.4	0.9	4.1	1.1	0.4	*7.8*
music or art education	0.4	0.0	0.0	0.9	0.6	0.7	0.0	0.6	0.1	0.0	*1.2*
physical education or recreation	1.8	0.9	0.5	1.3	3.9	6.1	1.8	1.2	0.8	0.6	*3.2*
secondary education	1.6	0.8	0.5	2.0	2.5	2.5	0.8	3.3	0.8	0.9	*0.0*
special education	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*
other education	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.4	0.0	0.0	*0.0*
ENGINEERING											
aeronautical/astronautical eng	1.8	1.3	0.5	3.6	0.4	0.3	0.2	0.6	0.8	0.9	*0.0*
civil engineering	1.7	2.7	4.7	0.7	0.6	0.9	0.0	0.3	2.8	3.1	*0.0*
chemical engineering	0.2	0.3	1.7	0.0	0.0	0.0	0.0	0.0	0.3	0.4	*0.0*
electrical engineering	3.3	4.1	3.8	3.2	2.3	2.1	1.1	3.4	8.1	9.0	*0.0*
industrial engineering	0.4	0.8	0.2	0.2	0.3	0.5	0.0	0.0	0.8	0.9	*0.0*
mechanical engineering	3.4	4.8	4.7	2.9	1.8	2.3	2.2	0.6	2.6	2.9	*0.0*
other engineering	1.9	1.9	3.6	2.1	0.8	1.0	0.6	0.6	4.0	4.4	*0.0*

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
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MALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990 (cont)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	1.1	0.9	2.1	0.2	1.9	1.7	0.8	2.8	0.5	0.6	0.0
earth science	0.4	0.2	0.4	0.7	0.2	0.2	0.0	0.3	0.0	0.0	0.0
marine science	0.3	0.1	0.0	0.6	0.1	0.0	0.4	0.0	0.0	0.0	0.0
mathematics	1.4	2.7	1.1	0.9	0.7	0.8	0.4	0.8	0.0	0.0	0.0
physics	1.1	1.3	1.3	0.9	1.1	1.5	0.1	0.9	0.9	1.0	0.0
statistics	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0
other physical science	0.4	0.0	0.4	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture or urban planning	0.9	1.6	1.6	0.3	0.6	0.9	0.2	0.2	2.0	2.2	0.0
home economics	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
health technology (med,dent,lab)	0.1	0.1	0.0	0.1	0.1	0.0	0.9	0.0	0.7	0.5	2.2
library or archival science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	0.0	0.0	0.0	0.0	0.2	0.0	1.1	0.0	0.0	0.0	0.0
pharmacy	0.3	0.4	0.3	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0
predent,premed,prevet	0.7	1.1	0.4	0.2	1.0	1.2	0.9	0.8	0.3	0.0	3.2
therapy (occup,phys,speech)	0.6	0.6	0.3	0.9	0.5	0.2	0.0	1.3	0.0	0.0	0.0
other professional	0.3	0.2	0.0	0.5	0.2	0.0	0.3	0.5	1.8	1.8	1.3
SOCIAL SCIENCES											
anthropology	0.3	0.0	0.8	0.7	0.1	0.0	0.0	0.4	0.0	0.0	0.0
economics	2.3	2.8	5.1	0.8	2.6	2.8	1.0	3.2	1.3	1.4	0.0
ethnic studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.7	0.2	0.0	1.5	0.3	0.2	0.0	0.6	1.1	1.2	0.0
political science	5.0	4.3	10.0	2.5	7.2	9.2	7.0	3.7	3.3	3.6	0.0
psychology	6.1	9.9	1.9	6.0	3.2	2.3	3.3	4.5	2.0	1.8	3.8
social work	0.2	0.0	0.0	0.4	0.3	0.2	0.0	0.6	0.1	0.0	1.3
sociology	3.1	0.6	0.8	7.5	1.5	2.2	0.5	0.9	0.6	0.6	0.0
women's studies	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
other social science	0.8	0.2	0.4	2.0	0.1	0.1	0.0	0.0	0.7	0.8	0.0
TECHNICAL											
building trades	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	1.1	1.2	0.0
data processing or computer prog	1.1	0.3	1.9	1.2	1.5	1.9	0.3	1.4	0.6	0.7	0.0
drafting or design	0.4	0.3	0.6	0.4	0.5	0.3	1.0	0.6	0.1	0.1	0.0
electronics	0.2	0.0	0.2	0.3	0.3	0.4	0.8	0.0	2.4	2.4	1.5
mechanics	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.9	1.0	0.0
other technical	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.9	1.0	0.0
OTHER											
agriculture	0.8	1.4	0.0	0.8	0.4	0.7	0.0	0.0	3.0	3.3	0.0
communications (radio,TV,etc.)	3.1	3.1	3.4	1.9	4.6	5.2	8.1	1.7	3.0	3.1	2.3
computer science	3.5	3.2	2.7	5.6	1.5	1.6	1.2	1.3	0.6	0.6	0.3
forestry	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.4	0.9
law enforcement	1.6	1.4	0.8	2.7	0.7	1.1	1.1	0.0	1.5	1.4	2.0
military science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other field	1.3	2.6	0.0	0.8	0.8	0.0	0.7	2.1	2.3	2.3	2.7
undecided	1.3	0.0	0.0	3.6	0.4	0.2	1.8	0.0	2.7	2.5	4.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Year Graduated from High School											
1986	98.5	100.0	98.2	97.2	98.6	98.8	97.9	98.7	91.1	90.3	96.8
1985	1.0	0.0	1.8	1.5	1.2	1.0	1.9	1.1	2.7	3.0	0.8
1984	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.2	0.0	1.5
1983 or earlier	0.4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	4.1	4.6	0.9
H.S. equivalency (GED test)	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.6	1.9	0.0
never completed high school	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.3	0.3	0.0
Age on December 31, 1990											
20 or younger	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	3.2	3.6	4.6	2.1	3.7	4.3	4.8	2.2	5.8	6.5	1.0
22	80.8	83.3	79.6	79.6	80.0	82.0	74.9	80.3	72.0	72.3	70.3
23	15.2	13.2	15.3	16.4	15.8	13.2	19.8	17.1	14.3	12.4	27.0
24	0.4	0.0	0.5	0.8	0.4	0.4	0.5	0.4	1.7	1.8	0.8
25-28	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.6	1.7	0.9
29-33	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	2.4	2.8	0.0
34-43	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.0	1.2	0.0
44-58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	0.0
59 or older	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Racial Background (1)											
White/Caucasian	85.9	91.1	88.0	80.2	86.7	83.5	85.7	92.7	89.1	89.4	87.4
Black/Negro/Afro-American	10.8	5.0	4.7	18.1	9.7	15.0	4.8	4.3	4.7	3.6	11.8
American Indian	0.3	0.0	0.0	0.2	0.6	0.9	0.5	0.3	0.0	0.0	0.0
Asian-American/Oriental	2.7	3.5	2.3	2.1	2.5	1.2	6.9	1.5	0.7	0.7	0.8
Mexican-American/Chicano	0.6	0.6	2.8	0.1	0.5	0.0	2.2	0.3	0.0	0.0	0.0
Puerto Rican-American	0.3	0.0	1.4	0.3	0.4	0.8	0.0	0.2	3.5	4.0	0.0
other	0.6	0.5	1.9	0.1	0.9	0.0	2.9	1.2	2.0	2.3	0.0
Have Met or Exceeded Recommended Years of High School Study (2)											
English (4 years)	96.1	96.8	96.6	95.3	96.3	98.1	93.6	95.4	94.8	94.9	93.9
mathematics (3 years)	93.3	93.8	96.3	92.9	92.3	94.2	95.2	87.8	79.1	78.6	82.3
foreign language (2 years)	82.5	86.2	92.1	74.5	86.2	90.6	86.8	79.4	69.4	71.3	57.1
physical science (2 years)	51.8	52.6	56.0	49.2	53.2	58.4	47.2	49.1	40.7	41.7	34.3
biological science (2 years)	39.2	41.5	32.8	37.3	41.1	40.3	39.3	43.3	24.4	20.7	49.6
history/American govt (1 year)	98.9	97.3	99.8	99.4	99.8	99.6	100.0	100.0	97.1	96.7	100.0
computer science (1/2 year)	61.3	64.3	61.5	60.4	59.4	54.5	63.6	64.2	54.8	54.4	57.4
art or music (1 year)	65.5	64.2	73.0	62.6	68.2	67.9	68.7	68.4	68.5	69.3	63.2
Took Credit Courses at Freshman College Before Enrollment											
no	98.3	99.4	98.3	98.0	97.6	97.7	96.4	98.4	96.2	96.3	95.5
yes	1.7	0.6	1.7	2.0	2.4	2.3	3.6	1.6	3.8	3.7	4.5
Status of Parents in 1986											
together	75.3	73.4	84.7	75.7	74.2	71.0	80.2	75.2	69.7	68.9	74.6
divorced or separated	19.2	22.3	11.6	18.6	19.1	23.8	16.1	13.9	23.0	22.8	24.5
one or both deceased	5.4	4.4	3.8	5.7	6.7	5.2	3.8	10.8	7.3	8.3	0.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Average Grade in High School											
A or A+	14.7	18.1	26.8	11.1	12.3	10.6	9.4	16.6	4.8	4.5	6.7
A-	16.1	16.9	24.0	14.4	15.2	13.0	16.8	17.5	8.4	8.2	9.5
B+	22.4	20.4	28.0	22.2	23.0	24.6	24.8	19.6	19.5	18.4	27.2
B	26.4	24.4	16.4	28.8	28.2	29.1	28.1	27.0	30.0	32.0	16.7
B-	8.5	9.6	3.4	8.9	8.3	8.8	11.6	5.4	12.9	12.6	14.5
C+	8.8	4.7	1.4	11.7	11.5	12.5	6.0	13.4	17.5	18.8	9.0
C	3.1	6.0	0.0	2.9	1.4	1.2	3.2	0.6	6.2	4.7	16.3
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0
Average Undergraduate Grade											
A	6.1	7.0	10.3	4.7	5.8	4.4	8.1	6.5	3.4	3.5	2.9
B+,A-	30.0	28.3	36.6	29.9	30.0	30.5	28.8	29.9	24.1	24.7	20.0
B	36.3	36.5	39.1	34.6	37.3	36.6	36.1	39.0	40.8	40.8	40.6
C+,B-	19.7	17.9	10.2	22.6	20.7	19.5	21.5	22.1	19.1	18.3	25.2
C	5.8	8.0	2.4	5.7	4.8	7.0	4.6	1.7	11.3	11.5	10.0
C- or less	2.1	2.4	1.4	2.5	1.4	2.0	1.0	0.8	1.3	1.2	1.4
Degree Aspirations in 1986											
none	1.2	0.6	0.3	1.6	1.6	2.2	2.0	0.6	4.6	5.2	1.2
vocational certificate	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
associate (AA or equivalent)	0.2	0.0	0.0	0.0	0.7	0.5	1.9	0.3	8.1	7.4	12.0
bachelor's (BA, BS, etc)	33.9	33.5	21.3	40.6	29.9	23.7	30.0	38.4	49.6	53.0	30.0
master's (MA, MS)	38.1	41.5	35.0	34.9	39.3	42.8	42.0	32.9	30.1	28.1	42.3
PhD or EdD	12.0	11.4	17.3	11.0	12.2	15.9	8.3	9.4	4.0	4.5	1.5
MD, DO, DDS, DVM	7.4	8.8	14.5	3.8	8.3	7.1	8.6	9.6	0.9	0.7	2.1
LLB or JD (law)	5.7	3.5	9.5	6.2	6.3	5.7	6.0	7.4	0.9	0.6	2.8
BD or MDiv (divinity)	0.4	0.0	0.6	0.7	0.3	0.5	0.0	0.1	0.5	0.6	0.0
other	1.1	0.8	1.4	1.0	1.4	1.6	1.2	1.2	1.2	0.0	8.1
Highest Degree Earned by 1990											
none	37.1	49.6	25.1	42.2	21.2	25.5	18.2	17.2	28.4	29.5	21.3
vocational certificate	1.0	2.0	0.0	0.7	0.8	0.0	0.8	1.8	2.3	2.5	1.0
associate (AA or equivalent)	5.4	2.3	2.4	6.5	8.1	6.9	9.7	8.9	40.4	38.2	55.2
bachelor's (BA, BS, etc)	55.5	45.1	72.0	49.3	69.3	67.3	70.7	71.3	27.8	28.6	22.5
master's (MA, MS)	0.1	0.0	0.4	0.1	0.2	0.0	0.0	0.5	0.0	0.0	0.0
PhD or EdD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MD, DO, DDS, DVM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LLB or JD (law)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BD or MDiv (divinity)	0.2	0.0	0.0	0.7	0.1	0.0	0.3	0.0	0.0	0.0	0.0
other	0.6	1.1	0.0	0.6	0.4	0.3	0.5	0.3	1.1	1.3	0.0
Degree Aspirations in 1990											
none	1.5	1.9	0.8	1.0	2.0	3.4	0.0	1.4	4.5	4.8	2.3
vocational certificate	0.2	0.2	0.7	0.0	0.2	0.0	0.0	0.6	1.4	1.6	0.0
associate (AA or equivalent)	1.4	0.3	0.0	1.7	2.6	3.6	0.0	2.9	9.9	10.2	8.0
bachelor's (BA, BS, etc)	28.0	29.9	27.0	32.6	20.4	21.9	17.9	19.8	32.6	31.4	40.6
master's (MA, MS)	45.0	43.7	37.7	47.1	45.7	40.9	50.8	50.5	36.6	36.2	39.4
PhD or EdD	13.7	14.0	17.6	9.7	17.1	16.1	20.0	16.9	5.7	6.0	3.3
MD, DO, DDS, DVM	2.9	2.9	4.7	1.6	4.1	6.2	3.5	1.7	0.6	0.6	0.7
LLB or JD (law)	5.7	6.0	9.6	4.2	6.1	6.5	6.5	5.4	3.8	3.7	4.8
BD or MDiv (divinity)	0.2	0.4	0.0	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0
other	1.4	0.7	1.9	2.0	1.5	2.1	1.3	0.8	5.0	5.5	0.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Freshman College Was Student's											
first choice	72.7	79.4	73.1	67.5	72.2	67.4	71.2	80.0	73.7	73.7	73.9
second choice	21.0	13.2	20.6	27.2	21.3	25.7	21.5	14.7	19.6	19.1	23.1
third choice	4.3	4.9	5.8	3.4	4.3	4.2	4.6	4.3	5.8	6.3	2.5
less than third choice	2.0	2.5	0.5	1.9	2.2	2.7	2.7	1.1	0.8	0.9	0.5
College Experiences Noted Very Satisfactory or Satisfactory (3)											
science and mathematics courses	57.7	53.0	59.1	56.4	64.1	64.9	65.3	62.2	61.0	59.4	72.7
humanities courses	76.4	76.9	86.1	70.4	80.3	78.7	78.9	83.5	74.9	75.0	74.0
social science courses	72.6	72.4	82.9	69.0	74.2	72.5	76.1	75.3	75.1	74.3	81.1
courses in major field	82.4	76.2	85.7	84.9	84.6	83.7	84.6	85.9	82.7	82.5	84.0
general education requirements	62.3	62.9	70.8	54.9	68.7	72.2	75.7	59.8	62.5	59.2	83.8
relevance of coursework to life	53.4	44.0	66.3	52.5	60.6	57.4	64.1	62.9	55.5	55.6	55.1
overall quality of instruction	69.6	63.9	82.1	64.3	78.6	78.3	80.0	78.2	78.9	77.2	90.7
lab facilities and equipment	62.4	66.0	61.7	62.0	59.4	63.9	57.1	54.5	74.2	75.0	68.9
library facilities	67.8	84.2	62.5	68.0	52.3	55.1	51.5	48.8	73.7	73.1	77.4
computer facilities	68.1	74.9	77.6	62.9	65.4	65.6	64.4	65.6	69.7	69.9	67.9
oppty for interdisciplin courses	53.8	51.9	67.4	46.3	60.6	58.5	59.2	64.2	45.1	45.0	45.7
oppty to talk to professors	73.9	60.3	80.4	74.0	85.8	82.9	88.7	88.3	76.4	74.8	87.0
oppty for extracurr activities	74.7	70.8	83.1	74.5	76.0	72.0	76.0	81.7	61.8	60.1	71.8
campus social life	64.2	71.7	68.6	60.0	60.4	61.4	57.2	60.9	55.4	55.1	58.0
regulations on campus life	45.0	52.7	52.2	37.9	43.4	46.2	39.3	41.9	42.6	42.6	42.6
academic tutoring or assistance	62.0	57.6	64.9	61.7	65.8	66.2	70.6	61.7	60.1	58.0	73.0
academic advising	46.1	36.7	50.7	42.7	58.7	56.6	62.5	59.4	54.6	51.4	75.7
career counseling and advising	43.1	36.0	48.3	40.3	51.9	54.7	53.6	47.0	51.8	49.9	64.4
personal counseling	44.0	36.8	49.1	40.1	52.5	50.4	57.7	52.1	48.4	45.5	64.4
student housing	58.6	63.2	67.0	48.8	62.3	58.2	65.7	66.3	59.7	59.8	59.1
financial aid services	41.2	36.4	45.4	37.5	48.3	50.1	51.2	44.2	57.5	53.9	78.1
contact with faculty and admin	56.8	43.8	66.4	52.5	72.5	68.0	79.9	74.2	62.9	59.6	83.2
relations with faculty & admin	59.7	45.1	68.0	58.0	74.1	70.4	79.6	76.1	66.9	64.2	83.5
oppty to attend films,concerts	73.1	76.0	86.6	70.5	69.4	72.8	63.5	68.0	67.1	69.5	54.4
job placement services	41.1	46.2	44.3	36.9	39.6	41.0	46.8	33.6	37.8	35.1	56.9
campus health services	54.6	60.3	52.9	53.7	50.1	52.7	53.0	44.5	48.3	47.4	53.2
overall college experience	75.6	73.6	83.1	73.3	78.2	79.2	79.3	76.2	70.2	70.6	67.7
Enroll at Freshman College Again											
definitely yes	32.7	33.0	45.2	26.6	36.5	34.5	36.6	39.5	30.1	29.1	37.3
probably yes	29.9	27.8	25.7	32.6	29.9	32.8	28.5	26.7	29.3	30.2	23.4
don't know	4.0	3.9	4.0	4.4	3.7	2.6	4.4	5.0	4.1	4.1	4.1
probably not	21.4	21.2	17.9	24.8	18.4	18.3	19.1	18.2	21.0	20.4	25.1
definitely not	11.9	14.2	7.3	11.5	11.4	11.9	11.5	10.6	15.5	16.2	10.2
Distance from College to Home											
5 miles or less	4.3	3.3	5.0	4.8	4.7	5.1	5.3	3.6	12.7	13.4	7.3
6-10 miles	7.5	11.0	2.8	7.8	4.8	2.8	7.6	6.1	16.6	17.3	11.7
11-50 miles	25.8	16.3	17.9	37.5	22.8	19.4	30.2	23.3	41.2	42.1	35.2
51-100 miles	19.6	22.0	9.8	21.8	17.1	16.1	13.7	20.6	14.6	15.2	10.8
101-500 miles	29.7	36.3	26.3	23.6	31.7	30.0	29.0	36.1	13.9	11.7	29.1
more than 500 miles	13.1	11.1	38.2	4.5	18.9	26.6	14.1	10.3	1.0	0.3	5.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Took Time Off, Withdrew or Transferred											
no	66.1	64.3	73.9	65.2	66.8	65.7	70.3	66.4	53.6	56.0	37.8
transferred	19.7	19.6	15.6	18.7	22.2	20.0	22.3	25.6	23.0	20.3	40.5
withdrew	7.6	9.5	3.1	8.8	5.4	8.3	2.4	2.9	14.6	15.1	10.8
leave of absence	6.6	6.6	7.3	7.3	5.6	6.1	5.0	5.1	8.9	8.5	10.9
Reasons Noted as Very Important for Taking Time Off (4)											
reconsider goals & interests	48.5	51.8	*38.1*	45.4	50.9	41.6	45.8	67.3	54.5	59.1	*32.4*
changed career plans	32.0	31.3	*19.9*	35.3	31.1	34.8	21.5	30.6	34.5	37.3	*21.5*
wanted practical experience	19.9	19.5	*11.0*	16.2	26.5	24.9	23.5	30.5	22.8	22.6	*23.5*
didn't "fit in"	18.6	21.8	*14.2*	15.0	20.5	14.2	27.4	25.8	21.4	22.8	*14.6*
was bored with course work	14.1	17.7	*12.1*	11.2	14.1	15.9	21.1	8.0	29.0	33.6	*6.7*
wanted better acad reputation	19.0	13.7	*12.1*	23.3	20.7	18.4	25.7	21.3	35.1	38.0	*21.4*
wanted better social life	12.9	13.0	*14.7*	8.2	18.3	16.6	19.8	20.0	8.7	10.1	*1.9*
wanted to be closer to home	12.8	8.9	*6.5*	16.6	13.6	19.2	8.4	8.2	12.6	14.5	*3.5*
had good job offer	5.9	9.2	*0.0*	5.4	4.2	5.1	3.4	3.3	14.0	15.4	*7.6*
wasn't doing well academically	31.0	41.6	*27.4*	30.4	20.8	19.8	15.7	24.7	19.8	20.8	*14.8*
family responsibilities	13.2	12.4	*17.7*	15.4	10.3	14.1	7.8	6.0	11.0	12.1	*5.7*
tired of being student	10.6	12.0	*2.7*	16.3	3.4	4.2	2.4	2.7	6.3	6.7	*4.4*
couldn't afford college	19.8	15.7	*39.1*	22.3	16.9	19.8	25.9	8.2	12.6	13.3	*9.2*
wanted wider course selection	23.6	18.2	*29.8*	21.5	30.8	28.2	38.3	30.8	38.4	36.8	*45.9*
ENROLLMENT STATUS											
First Year											
attended first college full-time	98.3	98.1	100.0	97.4	99.2	98.5	99.8	99.8	97.9	98.6	93.0
attended first college part-time	0.7	1.3	0.0	0.9	0.2	0.3	0.0	0.2	0.5	0.6	0.0
attended diff college full-time	0.4	0.3	0.0	0.6	0.6	1.2	0.0	0.0	0.0	0.0	0.0
attended diff college part-time	0.2	0.4	0.0	0.2	0.0	0.0	0.2	0.0	0.1	0.0	0.8
not enrolled	0.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.4	0.7	6.2
Second Year											
attended first college full-time	81.2	79.3	84.1	81.0	82.5	80.3	82.7	85.4	76.2	75.5	81.9
attended first college part-time	3.8	6.2	1.7	4.3	1.4	1.2	3.1	0.6	6.8	7.5	1.6
attended diff college full-time	10.1	11.0	10.5	8.6	11.0	12.0	10.5	9.7	12.6	12.8	11.1
attended diff college part-time	2.0	1.0	1.9	2.0	3.2	4.7	1.2	2.4	0.9	1.0	0.0
not enrolled	2.9	2.5	1.7	4.1	2.0	1.8	2.5	1.9	3.5	3.3	5.4
Third Year											
attended first college full-time	72.1	72.0	78.3	71.3	71.4	66.6	74.0	76.6	42.2	47.9	2.6
attended first college part-time	2.3	4.4	0.9	2.1	0.6	0.8	0.4	0.5	4.0	2.5	14.3
attended diff college full-time	18.1	17.1	14.4	20.0	18.0	21.1	16.7	14.3	35.6	32.7	55.8
attended diff college part-time	2.3	1.3	3.8	1.4	3.9	3.6	5.5	3.5	3.8	2.3	14.0
not enrolled	5.2	5.2	2.6	5.3	6.1	7.9	3.3	5.1	14.5	14.6	13.2
Fourth Year											
attended first college full-time	73.1	69.8	79.6	72.2	75.8	73.4	73.0	80.8	32.4	35.8	4.6
attended first college part-time	1.9	3.0	1.8	1.9	0.7	0.5	1.3	0.6	2.2	2.2	2.2
attended diff college full-time	16.5	17.6	11.4	17.4	15.8	15.8	19.7	13.4	36.8	33.2	66.5
attended diff college part-time	2.1	1.5	2.4	2.1	2.5	3.5	1.9	1.4	10.0	9.4	14.4
not enrolled	6.5	8.1	4.7	6.4	5.3	6.8	4.2	3.7	18.6	19.3	12.3

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Student Rated Self Above Average or Highest 10% in 1986											
academic ability	63.8	76.1	81.7	54.9	57.3	57.2	56.5	58.0	32.5	32.4	33.3
artistic ability	23.1	29.2	34.4	16.4	22.0	25.0	20.3	18.6	18.0	18.1	17.2
drive to achieve	65.4	71.0	78.0	57.9	65.6	67.5	62.7	64.6	52.7	52.2	55.7
emotional health	58.2	61.2	68.3	55.0	56.4	59.0	57.6	51.8	47.3	46.2	54.8
foreign language ability	38.9	42.2	51.9	31.5	41.2	35.8	37.1	51.6	27.7	27.6	27.8
leadership ability	52.3	55.2	65.8	45.6	54.2	53.8	51.8	56.2	40.9	40.5	44.2
mathematical ability	38.9	45.9	46.7	35.1	34.5	31.6	34.8	38.7	24.1	23.5	27.7
physical health	53.7	57.3	64.3	51.9	49.4	52.8	47.8	45.4	49.2	47.9	57.7
popularity	43.6	53.0	48.5	37.0	40.9	41.9	34.1	43.8	38.1	39.5	29.0
self-confidence (intellectual)	54.4	60.1	77.1	47.6	50.7	53.0	45.1	50.9	36.8	36.4	39.0
self-confidence (social)	47.6	57.8	56.4	41.7	42.2	47.3	42.2	34.8	39.4	38.3	46.6
writing ability	48.7	56.5	61.9	43.1	43.9	44.5	40.9	45.1	32.1	32.2	31.4
in 1990											
academic ability	71.0	74.8	87.8	66.5	67.9	66.2	72.3	67.7	48.9	48.4	52.4
artistic ability	28.5	31.5	33.4	23.9	29.5	33.6	29.7	23.5	19.7	18.8	25.6
competitiveness	48.7	48.9	58.1	45.3	50.2	48.0	54.7	50.6	36.4	35.7	41.4
drive to achieve	66.5	62.6	75.7	66.3	68.2	67.3	70.1	68.4	58.5	58.2	61.0
emotional health	57.7	58.6	67.0	54.1	58.6	58.9	61.5	56.4	50.3	47.3	70.7
foreign language ability	38.1	41.7	49.1	31.4	39.5	36.1	42.2	42.8	23.4	22.4	30.3
leadership ability	59.3	57.0	71.1	54.8	64.1	62.2	60.1	69.3	43.7	43.5	45.3
mathematical ability	37.7	38.8	49.3	35.4	36.2	32.7	41.4	37.9	31.1	31.0	31.3
physical health	51.4	51.5	57.8	49.2	52.3	50.6	51.1	55.6	48.5	47.5	55.6
popularity	46.2	50.7	50.1	41.7	45.9	46.4	49.9	42.8	34.1	34.5	31.0
popularity with opposite sex	43.8	49.2	50.2	39.7	41.6	43.7	47.6	34.9	31.5	31.7	29.7
public speaking ability	39.7	37.9	45.0	37.6	42.6	38.2	41.4	49.7	33.4	32.0	42.4
self-confidence (intellectual)	60.4	61.2	73.0	58.8	57.9	56.5	59.7	58.8	40.5	37.8	58.9
self-confidence (social)	49.6	53.1	55.1	45.7	49.2	45.8	54.7	50.8	38.7	36.3	55.2
writing ability	58.1	61.2	72.8	53.8	56.2	57.8	57.1	53.4	47.1	46.3	52.6
Students Reporting Much Stronger Abilities and Skills in 1990											
general knowledge	49.2	46.9	53.1	47.1	53.2	51.9	56.0	53.3	40.2	37.4	59.0
problem-solving skills	28.5	28.6	30.0	27.5	29.3	29.9	30.7	27.6	23.0	20.5	39.7
knowledge of particular field	62.4	61.5	65.3	59.6	66.2	64.0	61.5	72.1	52.6	52.2	55.2
critical thinking ability	34.3	35.7	42.0	28.8	37.6	39.6	37.1	35.0	27.1	25.9	35.2
foreign language ability	8.7	7.7	10.8	7.4	10.8	10.1	14.0	10.0	2.7	2.1	6.2
job-related skills	40.3	41.6	30.1	39.9	42.4	40.5	42.1	45.2	38.8	36.8	52.7
religious beliefs & convictions	11.5	12.5	18.8	8.0	12.7	14.1	6.1	14.7	4.5	3.9	8.9
interest in grad/prof school	36.0	35.8	30.4	36.1	37.5	35.6	42.9	36.8	25.2	22.2	45.2
preparation for grad/prof school	25.2	25.6	25.7	24.0	26.1	25.7	29.3	24.8	17.7	13.3	47.0
leadership abilities	22.6	17.9	17.7	25.4	25.1	24.5	26.2	25.3	17.0	15.9	24.6
ability to work independently	34.7	29.8	34.1	37.4	36.5	38.2	40.7	31.6	31.1	29.3	43.5
interpersonal skills	32.5	30.6	35.8	32.3	33.9	34.3	38.4	30.6	24.2	21.9	39.8
cultural awareness	37.5	35.1	44.9	35.3	40.5	44.0	38.1	36.8	26.7	25.0	38.0
tolerance of different beliefs	30.4	30.4	33.5	27.5	33.2	31.0	32.2	37.1	16.4	14.3	30.6
acceptance of dif races/cultures	27.8	28.2	28.1	28.2	27.0	27.3	30.7	24.2	19.6	18.7	26.3
confidence in academic abilities	22.1	19.6	23.5	22.3	24.0	25.1	24.3	22.2	20.2	18.1	33.8
writing skills	19.2	15.8	22.4	20.5	20.0	21.1	22.5	16.8	17.7	15.1	35.0
public speaking ability	18.7	16.1	15.5	20.4	20.3	16.9	20.3	25.0	13.4	10.8	31.6
competitiveness	12.2	11.3	9.7	13.1	12.9	12.1	14.7	12.9	9.8	8.9	15.9
ability to work cooperatively	23.5	19.4	17.5	28.0	23.6	23.3	27.8	21.6	22.4	20.9	32.2

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Events Considered Very Likely to Occur (Reported in 1986)											
be elected to student office....	2.9	1.3	5.4	2.1	4.6	3.8	5.3	5.3	2.6	2.7	1.7
be satisfied with college.....	59.2	67.3	73.0	49.5	59.5	56.5	58.0	64.8	54.8	54.5	57.0
change career choice.....	17.7	23.6	20.8	13.0	17.0	16.0	14.6	19.8	12.0	12.5	9.1
change major field.....	17.2	22.2	17.9	13.1	17.2	18.3	14.4	17.3	15.5	15.1	18.4
drop out permanently.....	0.3	0.0	0.4	0.4	0.4	0.3	0.5	0.4	0.7	0.6	1.5
drop out temporarily.....	0.8	1.3	0.4	0.7	0.4	0.4	0.5	0.4	0.0	0.0	0.0
fail one or more courses.....	0.8	1.0	0.8	0.7	0.6	1.1	0.0	0.2	1.3	0.0	10.0
get job to pay expenses.....	41.6	40.6	52.0	38.9	43.3	38.7	44.1	49.3	35.5	34.6	41.6
get married while in college....	3.7	3.2	6.4	3.6	3.4	2.9	1.6	5.3	2.7	2.6	3.4
graduate with honors.....	12.0	11.7	18.6	10.4	12.4	11.8	10.7	14.4	8.3	8.1	10.2
join social frat or sorority....	23.9	27.1	31.0	19.8	24.0	22.4	23.2	26.9	8.2	7.7	12.0
make at least "B" average.....	41.5	43.8	59.4	35.1	42.5	42.4	42.3	42.7	30.8	30.7	30.9
participate in student protests.	5.4	3.9	9.6	3.4	8.1	9.5	4.5	8.4	1.7	1.6	2.3
play varsity athletics.....	11.5	6.7	13.2	10.6	17.0	16.2	12.3	21.1	6.9	6.5	9.6
study abroad while enrolled.....	14.5	10.5	29.8	8.1	22.3	20.3	18.4	27.5	3.5	3.1	5.8
transfer to another college.....	8.7	6.6	7.8	12.5	6.4	6.2	4.7	7.6	12.0	11.9	12.8
work at outside job.....	20.0	20.2	23.9	20.2	18.3	16.8	25.8	15.7	20.6	20.4	22.4
work full-time while attending..	1.3	0.9	4.3	1.1	1.1	1.3	1.3	0.6	3.1	3.4	0.9
Events Occurring Since Entering College (5)											
was elected to student office...	17.8	13.2	15.9	15.9	25.7	25.8	26.1	25.3	12.4	11.4	19.2
was satisfied w/fresh coll (6)..	74.4	73.3	83.1	71.2	77.0	77.2	79.1	75.4	69.0	69.2	67.7
changed career choice (6).....	58.7	63.4	61.8	55.4	56.8	57.0	50.6	60.3	56.0	54.1	67.4
changed major field (6).....	56.6	61.3	50.5	56.4	53.6	52.2	56.1	54.2	47.6	46.4	55.9
dropped out permanently (6).....	7.4	9.3	3.1	8.6	5.3	8.2	2.4	2.8	14.1	14.5	10.8
dropped out temporarily (6).....	6.5	6.4	7.2	7.2	5.5	6.0	4.8	5.0	8.5	8.2	10.9
failed a course or class.....	35.8	39.7	18.9	44.4	25.7	27.7	26.4	22.4	30.6	30.3	32.8
had part-time job off campus....	62.4	65.8	59.0	63.1	58.9	56.0	67.2	58.2	65.9	64.9	72.8
had part-time job on campus.....	50.9	49.9	60.6	43.6	58.4	59.2	56.3	58.4	28.4	26.3	42.8
worked full-time while student..	15.0	14.1	13.1	17.2	13.9	10.2	16.4	17.8	17.3	17.3	17.8
got married.....	8.2	8.5	13.1	8.7	6.0	4.6	7.1	7.4	14.4	13.4	21.6
graduated with honors.....	16.2	15.2	24.3	13.7	18.0	18.1	22.4	15.2	19.3	19.4	19.0
joined a fraternity or sorority.	22.3	23.0	26.3	22.6	20.0	21.4	13.0	22.3	7.4	7.0	9.6
made "B" or better coll GPA (6).	72.4	71.8	86.1	69.2	73.1	71.5	73.0	75.4	68.3	69.0	63.4
participated in student protests	20.3	16.1	21.8	23.4	20.2	26.3	16.3	13.4	4.2	4.2	3.9
played intercoll foot/basketball	3.0	3.5	3.9	2.8	2.5	2.2	2.1	3.0	3.4	1.4	16.9
played other intercoll sport....	16.0	10.8	19.1	15.4	21.5	22.9	22.9	18.5	15.9	12.3	40.5
in study abroad program.....	10.1	9.6	21.1	4.9	14.1	14.0	10.9	16.3	0.1	0.0	0.5
transferred before graduating...	19.3	19.2	15.4	18.3	21.9	19.8	21.8	25.1	22.2	19.5	40.5
Other College Activities (5)											
assisted faculty in teaching....	9.1	6.4	13.8	7.3	12.9	13.1	8.8	15.1	6.7	6.8	6.4
attd racial/cultural workshop...	21.8	16.9	30.6	21.6	24.4	26.5	20.8	23.6	7.7	7.6	8.5
enrolled in ethnic std course...	21.9	21.4	27.6	19.8	23.3	27.2	20.2	19.3	8.1	7.3	13.7
enrolled in honors program.....	27.2	27.0	43.4	22.4	28.9	29.6	29.2	27.6	14.5	14.3	15.5
enrolled in women's std course..	23.9	20.0	23.5	25.2	26.5	27.0	23.7	27.5	9.3	9.1	10.6
in college internship program...	27.9	25.3	28.8	26.2	32.6	31.9	36.0	31.6	22.3	22.6	20.3
in social/ethnic student org....	10.0	8.2	16.6	8.1	12.5	15.0	13.0	8.6	1.7	1.6	2.2
taken reading study/skills class	15.0	15.3	8.9	15.2	16.3	14.2	14.7	20.2	16.8	15.9	23.3
taken remedial/develop course...	8.0	6.8	7.4	8.5	8.8	4.4	7.8	15.9	15.3	15.5	13.6
worked on prof's research proj..	14.9	17.8	22.3	13.3	11.9	13.2	11.2	10.2	9.7	10.8	2.2

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Activities in the Last Year Reported in 1986											
attended a religious service....	89.1	85.6	88.6	91.7	89.7	86.2	96.3	90.7	86.5	85.6	93.0
attended recital or concert.....	86.1	88.1	86.0	85.0	85.5	86.9	80.5	86.5	78.9	79.3	75.9
did extra work for class (7)....	15.4	15.1	19.7	15.8	14.0	13.4	12.4	15.7	10.8	9.6	18.6
didn't complete homework on time	68.1	69.0	64.2	67.4	69.0	68.5	68.4	70.2	56.3	55.5	61.3
drank beer.....	61.8	69.2	55.0	60.0	58.7	59.7	70.6	49.7	67.1	69.8	48.7
felt depressed (7).....	9.8	7.5	9.1	11.7	10.0	10.3	9.1	10.3	14.0	14.6	9.8
felt overwhelmed (7).....	25.6	30.3	28.9	19.3	27.8	26.0	26.5	31.3	19.9	20.2	17.9
missed school due to illness (7)	8.4	6.8	6.9	11.2	6.8	6.1	10.3	5.8	6.5	7.1	3.1
performed volunteer work.....	73.7	71.3	82.6	70.9	77.0	77.5	84.7	71.4	69.3	68.3	76.3
smoked cigarettes (7).....	7.5	5.5	6.1	6.9	10.7	15.0	10.3	4.6	16.4	17.8	6.8
stayed up all night.....	77.1	79.7	70.5	76.4	77.3	79.0	79.8	73.1	72.8	73.4	69.0
studied with other students.....	93.5	94.1	96.6	92.7	93.0	93.6	93.4	92.0	83.4	82.3	91.2
tutored another student.....	50.2	54.4	62.4	45.1	49.0	50.9	45.2	48.6	34.3	34.3	34.2
used a personal computer (7)....	24.8	23.8	20.4	28.0	23.1	20.8	22.8	26.7	18.7	19.2	15.5
was bored in class (7).....	32.5	35.9	30.5	28.8	34.0	33.0	24.3	41.4	32.1	31.2	37.9
was guest in teacher's home.....	33.7	35.1	39.8	27.9	37.8	37.0	34.7	40.8	26.0	24.3	37.6
won varsity letter in sports....	41.3	43.5	45.1	38.8	41.2	39.2	41.8	43.6	31.4	29.9	42.1
Reported in 1990											
attended a religious service....	74.8	69.9	84.1	75.4	76.6	68.1	93.3	78.5	68.6	65.7	89.1
attended recital or concert.....	82.0	82.9	87.3	79.6	82.7	87.6	81.8	76.2	65.5	66.6	58.1
been lonely or homesick.....	65.1	67.4	65.9	64.5	63.2	66.9	58.3	60.8	61.0	60.6	63.7
drank beer.....	70.8	78.3	62.5	69.6	66.9	67.4	76.1	60.6	63.8	65.6	51.7
drank wine or liquor.....	82.7	88.9	75.2	82.7	78.4	80.2	84.9	72.0	77.5	78.7	69.6
felt depressed (7).....	10.3	9.6	7.3	12.3	9.3	11.3	9.4	6.3	8.6	8.3	10.5
felt overwhelmed (7).....	32.7	33.0	27.5	32.7	34.0	29.8	27.3	43.9	25.6	24.3	34.5
recd personal/psych counseling..	19.1	18.5	16.5	18.2	21.6	24.0	20.8	18.6	15.2	15.9	10.6
recd voc/career counseling.....	57.2	59.1	56.7	50.0	64.6	62.9	60.7	69.5	45.2	43.6	56.4
smoked cigarettes (7).....	12.1	15.0	10.4	9.2	13.3	18.3	12.6	6.6	14.9	15.7	9.5
socialized w/diff ethnic grp (7)	49.0	52.0	49.0	43.6	52.7	54.2	57.8	47.3	44.9	46.6	33.3
stayed up all night.....	64.9	66.8	62.8	64.9	63.6	71.2	60.0	54.7	58.7	56.8	71.9
used a personal computer (7)....	51.6	51.9	65.6	47.5	52.4	49.9	54.6	54.7	43.1	42.9	44.9
Activities in Last Year of College											
did extra work for class (7)....	7.8	8.9	6.8	7.6	7.1	9.7	6.0	3.9	7.8	8.1	5.6
didn't complete homework on time	49.1	52.6	49.0	44.3	51.7	50.9	52.2	52.6	35.9	34.9	42.7
discussed course w/students (7).	71.3	71.4	73.3	67.4	75.5	76.3	76.4	73.9	62.9	61.3	73.7
felt like leaving college.....	42.6	42.4	36.2	44.4	42.3	43.9	35.6	44.2	42.0	41.4	46.3
missed class due to illness (7).	3.9	3.0	6.4	3.3	4.7	7.3	3.3	1.8	2.7	3.0	0.0
participated in intramural sport	29.8	24.2	36.3	32.1	30.7	30.5	33.0	29.6	23.2	23.7	19.6
performed volunteer work.....	45.3	44.6	52.4	41.8	48.5	45.4	54.4	49.4	26.8	24.3	44.1
studied with other students.....	92.4	92.1	91.8	93.7	91.2	90.9	93.9	90.0	88.5	88.9	85.3
took interdisciplinary course...	54.4	52.0	66.6	52.3	56.1	56.0	58.8	54.5	33.9	32.6	42.7
tutored another student.....	45.5	38.1	47.4	50.0	46.8	45.9	55.9	42.6	42.1	40.5	53.3
used a personal computer (7)....	47.8	46.9	65.5	42.7	50.0	46.2	53.6	53.5	39.4	40.1	34.4
was bored in class (7).....	24.9	28.7	23.7	28.2	17.2	17.1	20.8	15.1	15.9	15.7	17.0
was guest in professor's home...	27.5	21.3	33.1	19.5	42.5	44.1	30.7	47.4	15.7	14.4	24.3
worked on grp projects in class.	85.6	82.2	80.4	87.6	87.9	86.2	91.1	88.3	88.2	88.0	89.6
worked on ind research project..	55.8	55.3	60.5	50.2	62.3	67.7	60.2	55.6	62.9	64.1	54.7

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
RESIDENCE PATTERNS											
Preferred for Fall 1986											
with parents or relatives	10.4	8.6	0.5	14.5	10.4	10.0	8.1	12.3	28.6	28.6	28.4
other private home,apt,room	25.0	29.9	13.8	26.6	20.4	19.7	25.4	18.4	32.3	33.2	26.6
college dormitory	50.7	46.0	70.4	45.7	56.9	61.0	53.1	53.3	23.9	23.0	30.1
fraternity or sorority house	6.5	10.5	8.7	4.4	3.9	2.8	4.3	5.2	2.3	2.2	3.4
other campus housing	6.0	3.8	5.7	7.9	6.3	4.5	7.9	7.9	6.8	7.0	5.3
other	1.3	1.1	1.0	0.9	2.2	2.0	1.3	2.9	6.0	6.0	6.2
Planned for Fall 1986											
with parents or relatives	16.8	17.5	9.2	23.1	10.5	7.6	16.8	11.0	54.1	56.7	35.5
other private home,apt,room	2.1	3.1	1.7	1.9	1.4	2.5	1.2	0.0	11.4	12.8	1.0
college dormitory	78.4	75.5	86.7	72.4	86.7	89.1	78.6	88.1	31.8	27.3	63.5
fraternity or sorority house	0.5	0.2	0.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other campus housing	1.8	3.5	2.0	1.0	1.2	0.6	3.1	1.0	1.7	1.9	0.0
other	0.3	0.2	0.0	0.6	0.2	0.3	0.3	0.0	1.1	1.3	0.0
First Year											
with parents or relatives	16.2	16.9	9.8	22.0	10.1	6.8	17.2	10.5	56.5	58.2	43.4
other private home,apt,room	3.9	4.7	1.8	3.5	4.1	2.7	2.2	7.1	10.3	11.5	1.1
college dormitory	77.9	76.6	85.4	71.7	84.8	89.0	79.6	81.9	30.8	27.7	55.5
frat or sorority house	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other campus student housing	1.7	1.5	3.0	2.3	1.0	1.3	1.0	0.4	0.3	0.3	0.0
other	0.3	0.4	0.0	0.4	0.1	0.2	0.0	0.0	2.1	2.3	0.0
Second Year											
with parents or relatives	21.0	19.3	14.3	26.8	17.3	13.4	20.3	21.1	46.1	47.5	36.2
other private home,apt,room	16.7	29.1	14.4	14.9	6.6	7.4	6.4	5.5	20.0	22.6	2.0
college dormitory	55.7	43.2	61.8	53.2	70.1	72.5	67.7	68.0	27.9	23.8	57.3
frat or sorority house	2.4	4.0	3.6	1.5	1.5	1.7	0.0	2.1	0.0	0.0	0.0
other campus student housing	3.8	3.9	6.0	2.9	4.3	4.8	5.2	3.1	2.5	2.7	1.6
other	0.4	0.4	0.0	0.7	0.2	0.2	0.4	0.2	3.4	3.5	2.8
Third Year											
with parents or relatives	21.0	19.8	10.7	28.2	16.5	14.0	22.0	16.7	33.4	34.7	24.5
other private home,apt,room	33.7	49.1	36.1	29.8	21.4	23.4	17.5	21.0	33.6	32.0	44.3
college dormitory	32.8	18.0	36.3	32.0	48.3	48.5	44.3	50.6	22.5	21.9	26.5
frat or sorority house	4.3	7.3	8.3	2.5	2.3	2.7	1.5	2.0	0.0	0.0	0.0
other campus student housing	7.1	4.6	7.1	6.5	10.6	11.0	12.5	8.9	3.6	3.8	1.7
other	1.1	1.3	1.6	0.9	0.8	0.4	2.2	0.7	7.0	7.6	3.0
Fourth Year											
with parents or relatives	21.7	19.7	14.5	26.9	19.5	15.8	25.1	21.3	26.9	27.4	23.0
other private home,apt,room	39.9	53.7	42.6	39.5	25.1	25.2	22.9	26.3	50.1	51.3	40.9
college dormitory	24.2	13.8	30.5	20.5	38.0	41.4	31.3	37.3	10.4	8.7	23.9
frat or sorority house	3.8	5.5	4.5	2.4	3.8	5.8	0.6	2.9	0.3	0.0	2.3
other campus student housing	8.2	5.1	4.9	8.7	11.8	10.2	17.6	10.6	5.9	6.4	1.9
other	2.1	2.2	3.1	2.1	1.8	1.7	2.4	1.6	6.4	6.2	8.1

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Objectives Noted as Essential or Very Important in 1986											
achieve in a performing art	11.4	12.0	17.0	9.3	12.0	14.8	9.5	9.3	7.3	7.1	8.6
become authority in my own field	70.7	74.5	69.8	66.9	72.0	70.8	66.7	76.9	64.7	66.3	53.3
obtain recog from colleagues	53.5	53.9	50.3	52.9	54.6	51.9	50.7	61.1	45.1	45.4	43.1
influence political structure	13.4	12.4	23.0	11.5	14.2	14.9	13.9	13.5	8.5	7.8	13.1
influence social values	34.9	31.8	39.4	32.6	39.7	41.3	32.8	41.8	32.6	30.4	47.7
raise a family	66.9	71.3	72.1	63.1	65.8	56.9	73.3	73.9	71.9	71.5	74.6
have admin responsibility	40.6	37.5	37.1	46.0	37.9	35.6	41.5	39.0	46.9	45.9	53.1
be very well off financially	65.9	67.6	55.9	68.2	64.2	66.2	66.7	59.8	81.2	82.5	72.1
help others in difficulty	65.5	59.3	69.1	69.0	66.3	62.9	63.8	72.8	61.1	59.2	73.7
theoretical contrib to science	11.2	10.7	9.0	13.2	9.6	11.6	6.7	8.4	6.2	6.4	4.8
write original works	12.0	13.3	16.4	9.8	12.3	12.3	14.4	10.8	9.8	10.0	8.3
create artistic work	11.6	11.1	16.1	8.5	14.9	20.5	8.1	10.8	12.4	12.8	9.4
be successful in own business	42.5	44.2	40.5	40.1	44.3	43.7	44.5	45.0	42.6	41.8	47.4
be involved in environ cleanup	13.6	13.2	14.9	14.5	12.5	15.1	10.6	10.0	10.5	10.7	8.6
develop philosophy of life	42.3	43.0	56.2	36.5	45.2	48.1	45.3	40.9	39.7	41.0	30.8
participate in community action	20.9	19.5	31.0	18.8	22.1	26.9	20.7	16.2	16.6	14.6	30.5
promote racial understanding	29.6	27.7	35.3	28.6	31.0	35.0	28.4	26.9	22.3	22.0	25.0
be expert on finance/commerce	21.3	19.9	21.3	21.7	22.0	21.9	22.4	21.7	15.0	14.4	18.9
in 1990											
achieve in a performing art	8.5	7.5	10.3	5.7	12.4	10.0	9.9	17.4	6.5	5.3	14.3
become authority in my field	64.2	68.9	59.1	61.5	64.4	61.1	68.2	66.7	72.1	71.7	74.7
obtain recog from colleagues	50.3	55.5	50.4	44.8	52.0	49.0	58.3	52.6	55.6	55.6	55.7
influence political structure	15.7	14.2	19.6	15.1	16.8	16.9	19.2	15.4	10.4	10.5	9.9
influence social values	46.1	44.8	53.9	43.7	48.1	47.5	55.2	44.6	38.2	38.2	38.2
raise a family	72.6	69.5	78.9	75.2	70.7	65.1	79.5	73.3	74.2	74.7	70.7
have admin responsibility	38.3	35.5	41.9	39.4	38.8	37.8	43.4	37.5	46.8	46.4	49.6
be very well off financially	55.1	53.4	48.1	57.3	56.1	54.9	62.1	54.1	65.8	66.3	62.2
help others in difficulty	70.3	66.0	72.3	72.2	71.9	70.4	75.4	72.1	72.1	71.2	78.2
theoretical contrib to science	8.9	9.3	7.7	10.1	7.4	8.4	8.9	5.1	11.2	9.3	23.9
write original works	14.8	12.3	17.8	13.5	18.0	16.2	17.1	21.2	13.1	11.8	22.3
create artistic work	13.3	16.2	18.0	8.8	14.7	18.9	12.3	10.1	10.4	7.9	26.9
be successful in own business	28.8	27.2	31.8	28.7	29.5	26.8	38.6	28.0	30.5	30.3	31.9
be involved in environ cleanup	40.7	42.2	35.2	39.4	42.4	44.5	43.8	38.7	34.6	32.9	46.3
develop philosophy of life	51.6	48.6	60.8	50.0	53.9	53.8	54.1	53.9	48.4	47.4	55.4
participate in community action	32.0	27.2	36.3	35.0	31.9	31.5	38.1	28.8	21.8	20.7	29.5
promote racial understanding	41.1	37.2	42.7	43.8	41.3	43.4	41.8	38.0	30.4	30.1	33.1
be expert on finance/commerce	12.0	11.3	9.4	11.7	13.7	14.9	19.5	8.4	12.8	13.5	7.4
Permission to Use I.D. in 1986											
yes	81.6	80.5	80.1	85.5	77.4	77.5	73.0	80.0	78.6	78.2	80.9
no	18.4	19.5	19.9	14.5	22.6	22.5	27.0	20.0	21.4	21.8	19.1
Permission to Use I.D. in 1990											
yes	70.5	71.9	73.1	67.6	71.9	70.1	71.3	74.9	62.0	62.0	61.8
no	29.5	28.1	26.9	32.4	28.1	29.9	28.7	25.1	38.0	38.0	38.2

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Agree Strongly or Somewhat in 1986											
abolish death penalty	27.2	21.7	30.2	28.4	30.2	35.1	32.7	21.2	20.9	19.1	33.2
abortion should be legalized	63.9	71.9	61.9	59.6	61.8	69.9	55.0	53.7	58.8	59.3	55.4
busing OK to achieve balance	54.9	51.0	53.9	56.8	56.9	61.0	53.4	52.9	60.1	60.2	60.0
college ban extreme speakers	20.7	24.4	23.1	18.2	19.5	16.6	14.9	26.7	24.9	24.5	27.9
college increases earning power	64.6	63.5	51.4	69.6	63.1	57.7	69.7	66.9	77.6	78.3	73.2
college regulate off-campus acts	10.7	10.2	12.4	9.7	12.0	8.4	8.9	19.4	14.0	13.8	15.1
govt not controlling pollution	80.3	83.5	80.1	76.9	81.3	82.9	83.4	77.6	76.0	74.8	83.8
govt not promoting disarmament	74.2	79.4	72.1	70.0	74.9	76.3	71.9	74.6	69.0	68.3	73.6
govt not protecting consumer	65.6	66.4	56.9	65.7	66.9	67.4	68.8	65.1	60.2	61.0	55.3
increase fed military spending	16.2	16.3	16.2	17.8	14.2	12.8	15.4	15.5	20.7	20.9	19.8
live together before marriage	45.6	47.7	41.8	46.5	43.5	49.0	42.1	36.1	46.4	49.7	24.3
marijuana should be legalized	18.7	21.0	15.6	13.9	23.1	29.9	18.0	16.0	25.8	26.2	23.0
married women best in home	11.0	8.5	11.6	13.1	10.5	9.8	11.4	11.1	10.5	9.7	16.0
national health care plan needed	63.5	55.7	60.8	68.2	66.1	67.6	65.9	64.0	69.9	70.0	68.9
nuclear disarmanent attainable	58.3	60.7	56.8	59.8	54.4	53.6	64.6	49.0	57.4	57.0	60.0
prohibit homosexual relations	37.5	32.3	39.3	40.1	39.2	37.1	37.3	43.6	39.2	37.3	52.0
raise taxes to reduce deficit	17.8	17.6	25.3	14.8	19.7	22.6	13.3	19.5	20.9	21.8	14.4
wealthy should pay more taxes	73.0	73.6	70.5	75.5	70.1	65.7	72.4	75.1	68.0	66.9	75.7
in 1990											
abolish death penalty	25.0	25.4	28.9	20.4	29.3	34.7	34.5	17.8	19.7	19.3	22.5
abortion should be legal	77.4	86.1	66.2	76.6	72.8	82.1	67.1	62.3	67.0	67.8	61.5
busing OK to achieve balance	48.6	45.3	47.1	52.0	47.9	49.4	41.8	49.5	43.1	42.8	44.6
college ban extreme speakers	13.4	17.9	17.3	8.4	14.3	13.4	13.4	16.1	17.3	16.7	21.6
college increases earning power	40.1	45.7	29.3	43.5	32.9	30.6	33.5	35.9	57.4	56.8	61.7
college regulate off-campus acts	7.1	7.1	10.8	5.8	7.9	8.8	3.9	8.9	11.1	11.3	9.9
govt not controlling pollution	90.7	91.4	89.5	92.0	88.8	87.2	90.3	90.2	89.9	89.7	91.3
govt not promoting disarmament	75.9	77.0	71.0	74.6	77.9	78.7	75.4	78.4	71.4	70.3	78.5
govt not protecting consumer	69.5	64.5	68.5	72.7	71.0	70.0	72.1	71.8	69.7	68.4	79.2
increase fed military spending	10.4	8.2	12.5	12.2	9.7	9.1	7.5	11.8	17.8	18.6	12.5
live together before marriage	48.1	54.3	39.0	48.2	44.3	51.4	34.5	39.9	54.0	57.8	28.2
marijuana should be legalized	24.2	30.6	24.5	18.0	25.7	30.4	18.9	22.8	24.0	24.7	19.7
married women best in home	9.7	6.9	14.4	11.0	9.7	9.1	8.0	11.6	13.8	13.4	16.9
national health care plan needed	77.2	75.1	70.9	79.3	78.6	79.2	76.8	78.7	84.5	86.0	74.0
nuclear disarmament attainable	63.2	63.1	53.3	67.8	60.2	62.5	64.2	54.2	64.9	65.8	57.7
prohibit homosexual relations	19.5	15.2	11.6	23.6	21.0	16.4	14.8	31.8	28.1	27.1	35.6
raise taxes to reduce deficit	27.5	32.7	34.2	22.7	26.2	27.4	23.1	26.3	20.8	19.6	29.2
wealthy should pay more taxes	76.9	78.2	66.0	81.1	73.0	70.6	71.5	77.5	75.2	75.5	73.4
Political Orientation in 1986											
far left	1.1	1.1	1.3	0.8	1.3	1.6	0.6	1.3	2.1	2.4	0.0
liberal	25.7	23.2	29.5	25.5	27.4	30.2	21.1	27.1	17.5	18.2	12.9
middle of the road	59.2	62.4	45.3	62.6	55.4	54.4	63.1	52.2	68.8	68.0	75.1
conservative	13.8	13.1	23.9	10.8	15.4	13.5	15.3	18.3	11.0	10.8	12.0
far right	0.3	0.3	0.0	0.3	0.4	0.2	0.0	1.0	0.6	0.6	0.0
Political Orientation in 1990											
far left	1.3	1.0	2.0	1.1	1.6	2.7	0.4	0.8	0.0	0.0	0.0
liberal	31.3	33.8	32.3	29.3	30.9	35.4	27.0	26.8	20.5	20.8	18.8
middle of road	49.7	48.5	36.9	54.5	48.4	47.0	54.8	46.5	57.3	56.1	66.8
conservative	17.5	16.8	27.4	14.8	18.8	14.6	17.8	25.6	21.1	22.1	13.6
far right	0.3	0.0	1.5	0.3	0.2	0.2	0.0	0.4	1.0	1.0	0.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986) (8)											
None											
studying or doing homework	0.5	0.9	0.0	0.5	0.2	0.4	0.0	0.0	1.7	1.9	0.0
socializing with friends	0.3	0.0	0.3	0.3	0.7	0.4	0.3	1.4	0.0	0.0	0.0
talking w/teacher outside class	14.7	17.3	12.1	13.8	14.1	15.4	9.5	15.0	18.2	17.6	22.6
exercising or sports	9.1	7.9	1.2	12.6	8.2	8.2	6.9	9.0	8.4	8.6	6.5
using a personal computer	53.8	54.5	56.5	53.3	52.9	55.5	57.1	46.3	60.5	60.7	58.7
partying	18.5	14.5	22.3	19.0	21.0	17.8	15.9	28.8	18.2	16.3	30.3
working (for pay)	27.9	24.9	32.6	29.8	27.3	28.1	23.2	28.8	24.7	23.3	34.0
volunteer work	51.2	50.8	42.4	55.4	48.8	50.8	38.6	52.3	55.8	56.8	49.0
student clubs and groups	21.0	19.2	13.7	25.7	18.9	17.5	18.9	21.1	42.1	45.9	16.6
watching TV	7.1	8.6	11.4	5.2	6.8	8.1	7.8	4.3	4.3	4.1	5.5
religious services or meetings	28.7	33.1	21.9	27.2	28.2	33.9	22.2	23.4	35.1	37.5	19.1
hobbies	11.3	13.2	9.1	10.0	11.7	10.4	10.3	14.5	13.3	14.2	6.8
Six or More Hours											
studying or doing homework	60.3	56.1	64.4	62.3	60.9	61.6	67.8	55.7	55.4	58.5	34.6
socializing with friends	80.8	83.5	84.4	76.4	82.9	84.1	84.9	79.8	78.4	79.4	71.5
talking w/teacher outside class	9.3	8.9	7.5	10.0	9.4	11.8	3.8	9.3	10.0	10.6	6.1
exercising or sports	43.6	41.1	45.6	42.1	47.7	48.8	46.5	46.7	39.5	40.8	31.3
using a personal computer	6.9	6.2	4.2	9.4	5.2	5.0	6.5	4.7	6.6	6.8	5.1
partying	34.8	39.5	30.2	33.2	33.1	34.2	36.6	29.5	40.2	40.8	36.4
working (for pay)	62.2	65.9	55.2	62.4	60.3	58.0	65.7	60.2	65.2	68.0	46.5
volunteer work	6.7	5.9	9.4	6.8	6.6	6.8	7.8	5.5	5.8	5.0	10.6
student clubs and groups	20.6	19.5	29.9	18.8	21.3	23.5	23.5	16.8	19.3	19.9	15.1
watching TV	33.2	28.4	26.8	36.7	35.5	29.5	34.9	44.8	42.7	44.2	32.9
religious services or meetings	4.3	2.4	7.6	4.1	5.7	4.2	3.6	9.1	3.0	3.0	2.8
hobbies	22.1	19.4	22.2	21.6	25.5	26.6	24.1	24.7	15.0	14.4	18.8
Sixteen or More Hours											
studying or doing homework	11.6	8.7	18.2	11.3	13.2	14.3	11.7	12.4	5.8	6.0	4.6
socializing with friends	34.9	35.3	28.8	35.0	36.0	38.8	34.0	33.1	35.7	36.9	27.8
talking w/teacher outside class	1.2	0.3	1.3	2.0	1.1	1.7	0.3	0.9	1.3	1.0	3.6
exercising or sports	12.3	12.3	11.7	12.7	11.9	11.0	12.2	13.0	6.1	5.9	7.1
using a personal computer	0.5	0.7	0.2	0.5	0.5	0.9	0.6	0.0	1.9	2.1	0.7
partying	8.6	9.5	3.6	7.8	10.2	10.1	6.3	12.8	13.4	13.9	10.3
working (for pay)	35.9	38.2	25.6	36.2	35.9	33.7	38.6	37.6	42.6	44.1	33.1
volunteer work	0.9	0.4	0.5	1.6	0.8	0.4	2.2	0.5	0.5	0.6	0.0
student clubs and groups	3.2	2.4	4.3	3.5	3.4	3.4	5.5	2.1	2.6	2.8	1.4
watching TV	5.8	4.1	4.2	5.4	8.7	5.9	3.8	15.7	5.7	6.0	3.3
religious services or meetings	0.4	0.0	0.3	0.2	1.2	1.0	2.9	0.6	0.3	0.3	0.0
hobbies	3.6	2.8	2.9	3.4	5.0	5.1	10.1	1.7	1.4	1.3	1.5

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990) (8)											
None											
classes and labs	1.0	0.5	4.6	0.6	1.0	1.6	1.3	0.0	1.8	2.1	0.0
studying or homework	0.1	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.6	0.7	0.0
socializing with friends	0.4	0.1	0.0	1.0	0.2	0.2	0.2	0.0	0.7	0.7	0.6
talking w/faculty outside class	7.1	9.8	4.2	7.7	4.5	5.1	2.2	5.1	14.5	15.8	5.7
exercising or sports	6.0	2.6	3.6	8.8	6.9	7.5	5.0	7.3	7.3	7.7	4.4
reading for pleasure	21.6	17.9	21.2	26.8	19.1	17.6	21.2	19.9	15.6	15.8	13.7
using a personal computer	19.1	21.2	11.7	21.6	16.0	17.5	13.6	15.4	23.8	23.0	28.9
partying	14.2	11.1	17.8	16.5	13.7	10.2	8.9	21.5	17.5	17.6	17.1
working (for pay)	21.2	22.5	22.4	21.2	19.5	22.6	19.9	15.0	25.6	27.8	10.9
volunteer work	59.0	61.9	51.3	60.9	55.9	58.0	51.4	55.6	72.5	77.0	42.9
student clubs and groups	40.9	46.0	35.9	43.2	34.3	36.3	28.7	35.0	63.1	65.0	50.4
watching TV	6.4	5.9	13.9	4.0	7.6	9.2	3.8	7.7	3.3	3.7	0.7
commuting to campus	38.1	25.0	40.3	37.6	51.7	54.9	46.9	50.0	24.5	24.7	23.1
religious services or meetings	43.0	47.1	35.4	44.2	39.6	48.0	23.7	37.4	50.8	55.7	17.8
hobbies	21.6	21.0	17.7	23.2	21.3	20.3	20.8	23.0	23.1	24.8	11.5
Six or More Hours											
classes and labs	90.5	92.0	88.1	90.0	90.3	89.4	91.8	90.6	88.7	88.5	90.4
studying or homework	73.5	71.7	78.2	71.9	76.1	76.6	72.8	77.5	69.8	70.6	64.7
socializing with friends	74.3	73.2	78.8	73.0	75.7	77.3	75.7	73.4	65.5	65.8	63.6
talking w/faculty outside class	2.8	1.9	1.8	2.1	4.8	5.4	5.3	3.7	4.5	4.3	5.5
exercising or sports	19.1	19.0	21.6	16.0	22.3	23.7	22.2	20.5	18.8	18.3	21.8
reading for pleasure	9.5	8.4	7.2	10.5	10.2	10.5	7.5	11.3	12.5	13.4	6.6
using a personal computer	20.4	18.3	31.6	16.5	24.3	25.3	21.2	24.9	25.1	25.3	23.7
partying	28.9	33.0	29.6	26.7	27.2	33.8	31.1	15.4	34.3	35.4	27.0
working (for pay)	69.9	71.0	69.7	70.4	68.3	64.0	75.1	70.4	64.4	62.0	80.8
volunteer work	7.1	6.8	8.2	7.9	6.0	5.0	6.1	7.3	2.9	2.7	3.7
student clubs and groups	8.9	8.9	9.8	8.8	8.9	8.4	12.2	7.5	4.0	4.1	2.9
watching TV	27.2	34.9	19.2	26.0	23.1	24.9	28.0	17.7	36.0	37.3	27.1
commuting to campus	12.5	10.9	6.1	16.0	11.6	7.0	11.0	18.7	22.7	21.7	29.5
religious services or meetings	2.0	1.4	1.4	2.5	2.1	1.6	1.3	3.2	1.8	1.6	2.7
hobbies	6.4	6.5	4.3	5.7	7.8	9.7	6.7	5.7	7.1	5.0	21.2
Sixteen or More Hours											
classes and labs	43.8	47.4	40.1	43.2	42.0	36.8	42.0	49.4	44.3	44.2	45.0
studying or homework	23.4	24.0	29.7	21.8	23.0	22.2	22.5	24.5	19.6	19.6	19.4
socializing with friends	26.9	23.3	31.1	24.7	31.9	33.0	33.8	29.2	23.4	23.2	24.8
talking w/faculty outside class	0.4	0.5	0.5	0.1	0.6	0.6	1.2	0.2	0.4	0.0	2.7
exercising or sports	2.9	3.5	2.8	1.7	3.8	4.5	3.5	3.0	2.7	2.4	4.6
reading for pleasure	2.1	3.9	0.9	2.0	0.7	1.4	0.0	0.3	0.2	0.3	0.0
using a personal computer	4.2	3.2	7.2	4.2	4.1	5.1	2.7	3.7	4.0	2.9	11.5
partying	4.3	5.3	5.5	3.5	3.8	5.2	5.5	0.7	4.1	4.1	3.9
working (for pay)	38.1	35.1	35.5	43.6	35.1	27.9	44.9	39.5	41.0	39.8	48.9
volunteer work	2.9	2.1	1.1	5.2	1.3	0.9	0.6	2.4	0.4	0.3	1.0
student clubs and groups	1.5	1.8	1.0	1.1	1.9	1.7	4.5	0.8	0.6	0.6	0.7
watching TV	5.0	8.0	2.5	3.7	4.3	5.8	3.9	2.4	11.9	11.9	11.9
commuting to campus	1.7	0.5	0.5	1.5	3.4	1.3	0.4	8.4	1.4	0.4	8.2
religious services or meetings	0.5	0.5	0.0	0.6	0.5	0.3	0.2	1.0	0.1	0.0	0.8
hobbies	1.6	2.6	0.3	1.4	1.1	1.0	1.5	1.0	0.1	0.0	0.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986 (9)											
artist (including performer)	9.3	11.1	10.6	6.0	11.0	15.3	6.3	7.5	5.9	5.6	8.2
business	19.9	22.3	13.5	18.5	20.8	18.3	28.1	20.3	22.7	24.0	14.8
clergy or religious worker	0.1	0.0	0.0	0.0	0.3	0.0	0.0	1.0	0.0	0.0	0.0
college teacher	0.3	0.2	0.7	0.1	0.3	0.4	0.0	0.4	0.0	0.0	0.0
doctor (MD or DDS)	4.8	5.4	9.8	1.8	6.6	6.6	5.0	7.6	1.5	1.5	1.3
education (secondary)	3.9	3.1	2.5	5.3	3.2	2.2	3.8	4.4	2.7	2.6	3.4
education (elementary)	9.1	4.5	2.6	14.6	8.7	7.9	10.0	9.3	8.0	6.5	17.9
engineer	3.5	7.5	3.8	1.7	1.5	2.4	0.0	1.0	1.7	1.9	0.0
farmer or forester	0.4	0.7	0.0	0.1	0.6	1.2	0.0	0.0	1.4	1.6	0.0
health professional (non-M.D.)	6.8	8.9	4.3	8.3	3.2	2.7	3.5	3.9	5.1	4.8	6.6
lawyer	5.1	4.3	7.8	4.8	5.6	5.2	5.7	6.2	1.4	1.0	3.5
nurse	4.4	1.6	3.9	8.3	2.6	2.2	6.8	0.8	8.0	8.9	1.9
research scientist	1.9	2.8	3.5	0.9	1.8	1.3	1.8	2.4	0.9	1.0	0.0
other choice	16.1	12.9	19.3	17.7	16.7	17.5	15.4	16.1	24.8	25.1	22.5
undecided	14.6	14.7	17.6	11.8	17.0	16.8	13.7	19.1	16.0	15.4	19.9
Probable Career in 1990 (9)											
artist (including performer)	6.4	3.9	11.0	6.0	8.1	10.6	4.3	6.8	5.2	4.8	7.9
business	22.7	28.2	17.7	20.4	21.0	16.9	27.1	23.3	20.8	20.7	21.6
clergy or religious worker	0.2	0.0	0.0	0.2	0.4	0.5	0.0	0.5	0.0	0.0	0.0
college teacher	1.9	1.7	3.6	0.9	2.9	2.9	1.4	3.9	0.4	0.4	0.0
doctor (MD or DDS)	2.1	2.2	5.3	0.6	2.9	4.0	2.6	1.6	0.3	0.2	1.0
education (secondary)	5.6	4.1	5.6	7.4	4.9	5.2	3.0	5.7	2.6	2.5	2.6
education (elementary)	13.9	9.8	6.9	20.2	12.7	10.9	13.2	14.9	15.8	16.3	12.4
engineer	1.2	3.0	0.6	0.3	0.6	1.2	0.0	0.0	1.9	2.1	0.0
farmer or forester	0.6	0.9	1.1	0.5	0.3	0.7	0.0	0.0	1.1	1.2	0.0
health professional (non-M.D.)	4.3	5.9	4.2	3.9	3.0	2.4	4.7	2.7	4.8	5.2	1.9
lawyer	4.7	4.3	9.2	3.9	4.9	6.6	4.8	2.4	1.7	1.7	1.4
nurse	5.1	6.1	4.4	5.7	3.5	3.6	5.4	2.3	6.5	5.7	11.7
research scientist	1.5	2.0	0.9	0.8	2.0	2.1	1.1	2.4	0.4	0.3	1.0
other choice	24.5	23.7	21.1	25.5	25.0	24.1	25.2	26.1	33.5	33.5	33.0
undecided	5.4	4.2	8.5	3.8	7.8	8.3	7.1	7.4	5.3	5.3	5.4
Religious Preference in 1986											
Protestant	31.5	34.8	20.0	28.7	34.9	31.3	11.6	54.4	22.4	20.1	38.7
Roman Catholic	35.3	29.4	41.0	37.5	36.9	32.6	76.7	18.5	38.4	41.3	16.8
Jewish	3.2	3.4	6.4	2.8	2.5	5.1	0.0	0.3	8.4	9.4	1.1
other	20.8	19.7	22.9	23.4	18.2	20.0	7.2	22.4	25.6	24.3	35.3
none	9.2	12.7	9.6	7.7	7.5	10.9	4.5	4.4	5.2	4.8	8.1
Religious Preference in 1990											
Protestant (10)	45.7	44.3	37.3	47.8	46.8	43.6	16.4	69.9	40.9	35.6	77.8
Roman Catholic	33.6	29.8	40.7	35.3	33.4	26.8	72.5	18.6	41.0	44.5	16.2
Jewish	3.6	3.8	6.3	3.4	2.8	5.8	0.0	0.3	8.0	9.0	1.0
other (10)	3.6	4.5	2.2	3.2	3.8	4.6	2.9	3.3	5.1	5.4	3.1
none	13.5	17.6	13.4	10.3	13.2	19.2	8.2	7.8	5.0	5.5	1.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (8)											
agriculture	0.5	1.3	0.0	0.3	0.0	0.0	0.0	0.0	2.2	2.5	0.0
biological sciences	4.6	5.5	8.1	3.3	4.4	5.3	2.6	4.2	3.0	3.1	1.8
business	21.5	20.5	15.8	22.1	23.3	19.6	32.3	23.2	33.8	34.9	26.0
education	12.9	7.5	6.4	19.9	11.0	10.2	10.2	12.6	12.7	10.8	25.1
engineering	4.1	8.0	4.9	3.0	1.6	2.2	0.0	1.5	1.6	1.8	0.0
English	2.5	4.1	2.3	0.9	3.0	3.8	2.3	2.2	1.2	1.3	0.6
health professional	11.3	12.0	13.3	12.0	9.2	7.2	12.5	10.0	10.8	11.5	5.8
history or political science	3.8	3.0	8.8	2.5	4.8	3.6	5.1	6.4	1.3	1.3	1.2
humanities	3.1	3.1	5.9	1.6	4.4	6.8	3.1	1.9	3.8	4.3	0.8
fine arts	4.0	3.5	4.0	2.7	6.2	9.7	1.9	3.6	3.5	3.2	5.9
mathematics or statistics	1.2	1.5	1.2	1.4	0.5	0.8	0.3	0.1	1.4	1.6	0.0
physical sciences	1.1	1.4	1.1	1.3	0.5	0.4	0.4	0.6	0.4	0.3	0.8
social sciences	9.3	7.6	5.4	9.4	12.0	12.2	12.8	11.3	5.6	5.5	6.0
other technical	3.0	2.2	1.1	4.3	2.5	2.7	1.8	2.8	6.1	4.7	15.4
other non-technical	7.9	7.4	10.4	8.9	6.5	5.6	6.5	7.6	6.8	6.9	5.8
undecided	9.2	11.5	11.0	6.3	10.3	9.9	8.1	12.1	6.1	6.3	4.8
Major Reported in 1990 (8)											
agriculture	0.7	1.1	0.0	1.0	0.1	0.2	0.0	0.0	2.0	2.3	0.0
biological sciences	4.0	4.3	4.8	2.6	5.1	6.1	4.0	4.4	1.3	1.3	1.8
business	17.7	20.6	16.1	14.8	18.7	12.7	29.2	21.3	30.1	32.2	16.5
education	16.5	11.8	9.0	23.2	14.9	14.1	12.2	17.7	20.3	19.2	27.7
engineering	1.5	3.2	2.3	0.6	0.7	1.1	0.0	0.6	1.7	2.0	0.0
English	4.9	4.6	7.8	3.8	5.8	7.4	2.2	5.5	2.7	2.9	1.5
health professional	6.7	9.5	7.0	6.3	4.1	2.9	6.9	4.2	9.5	8.9	13.1
history or political science	5.7	4.7	12.9	5.3	5.1	4.6	7.1	4.7	1.7	1.6	2.3
humanities	3.3	3.4	6.8	0.7	5.4	5.6	5.1	5.4	2.7	2.6	3.3
fine arts	3.6	1.8	4.4	3.3	5.8	8.8	2.8	3.2	3.5	3.1	6.4
mathematics or statistics	1.3	1.0	1.1	1.7	1.0	0.8	0.8	1.3	1.4	1.6	0.0
physical sciences	0.9	0.8	0.9	1.0	0.9	0.8	0.6	1.4	0.5	0.6	0.0
social sciences	16.4	17.7	14.8	14.1	18.4	20.2	17.6	16.3	7.3	7.4	6.9
other technical	4.6	1.9	1.2	9.3	2.4	2.2	0.5	4.0	3.9	3.2	8.9
other non-technical	11.4	13.2	11.0	10.8	10.3	10.8	11.2	9.1	11.1	11.2	10.8
undecided	1.1	0.5	0.0	1.6	1.2	1.7	0.0	1.0	0.1	0.0	0.8
Plans for Fall 1990											
attend college full-time	31.3	38.6	23.8	33.5	23.2	22.4	22.4	24.8	24.7	24.3	27.5
attend college part-time	8.9	8.8	2.6	11.2	7.8	6.3	9.0	9.3	13.5	11.1	30.2
attend graduate school	12.6	12.5	20.3	10.2	13.4	13.2	15.7	12.4	8.4	7.9	11.8
attend vocational program	0.9	0.9	1.2	0.3	1.7	0.9	0.9	3.4	1.9	2.2	0.0
work full-time	50.6	45.1	49.2	50.9	56.1	57.0	58.7	53.2	61.2	61.9	56.5
work part-time	26.8	32.5	22.7	24.8	24.7	25.5	26.3	22.5	23.1	22.0	30.9
serve in Armed Forces	0.7	0.6	1.5	1.2	0.1	0.0	0.6	0.0	0.5	0.6	0.0
travel	4.8	2.9	3.6	5.8	5.6	6.8	6.8	3.0	5.9	6.2	3.8
do volunteer work	11.5	14.7	13.2	7.8	12.5	13.0	12.9	11.5	5.4	5.5	4.8
stay at home	9.1	7.7	7.1	11.8	7.8	8.4	6.8	7.8	8.3	7.6	13.4

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
College Objectives Noted as Being of High Priority											
allow airing of diff opinions...	25.6	29.3	22.4	19.8	30.1	39.0	19.6	23.7	26.0	25.4	29.8
conduct basic & applied research	28.5	61.1	42.8	12.4	11.3	13.9	7.2	10.1	22.5	24.7	7.2
create multi-cultural environ...	26.5	25.0	28.8	24.1	30.5	39.9	25.0	20.5	29.7	27.6	43.9
create positive undergrad exp...	40.6	30.6	54.6	34.3	54.9	56.4	59.1	50.2	38.9	35.8	60.5
devel apprec of multi-cultrl soc	24.6	18.8	29.7	24.4	29.4	36.6	22.8	23.2	19.1	17.6	29.1
devel community among fac/stdnts	27.2	19.9	28.7	20.9	42.3	44.3	42.5	39.3	24.9	21.3	49.3
devel leadership abil in stdnts.	28.3	20.7	36.5	25.1	37.6	36.4	41.7	36.8	23.4	22.0	33.2
devel leadership ability in fac.	15.0	18.7	19.2	10.0	16.2	16.3	12.3	18.6	13.7	12.0	25.8
economize and cut costs.....	25.0	25.3	25.2	27.3	21.7	23.7	17.9	21.1	20.9	21.2	18.8
enhance inst's national image...	46.5	50.6	65.3	36.3	49.5	46.9	45.7	55.6	33.4	32.8	37.8
facilitate cmty svcs involvement	19.9	13.7	32.7	17.1	26.2	25.9	30.1	24.2	13.3	11.7	24.2
help solve soc/eviron problems..	13.2	12.5	11.3	13.9	13.6	15.2	10.1	13.4	15.0	16.1	7.4
help students understand values.	27.0	16.5	39.8	17.8	45.7	42.8	52.8	45.4	34.3	30.5	60.7
hire faculty "stars".....	10.7	15.4	17.9	8.3	6.9	8.2	5.0	6.2	7.1	7.5	4.0
increase minorities in fac/admin	20.6	23.7	18.0	20.4	18.3	24.8	13.3	12.1	21.2	21.5	19.1
increase women in fac/admin.....	15.7	12.0	10.9	14.0	22.9	28.5	19.6	16.9	9.8	10.3	6.5
increase/maintain inst prestige.	56.6	60.2	66.9	45.6	64.0	65.9	65.8	60.1	44.2	43.6	48.4
promote intellectual development	55.9	50.9	69.2	47.6	67.7	67.3	68.1	68.0	41.9	39.5	58.6
raise money for the institution.	51.9	58.1	65.2	33.3	65.2	64.7	65.0	66.0	29.7	24.8	63.9
recruit more minority students..	24.5	24.2	23.2	23.0	27.0	33.5	21.3	21.2	26.8	25.4	36.3
teach students how to change soc	15.2	12.6	19.9	13.1	19.3	23.7	17.7	13.8	15.5	15.6	14.6
DISAGGREGATED RESPONSES											
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Studying or Doing Homework											
none.....	0.5	0.9	0.0	0.5	0.2	0.4	0.0	0.0	1.7	1.9	0.0
1-2.....	11.2	14.8	9.0	10.7	8.9	10.0	6.3	9.1	11.9	11.6	13.3
3-5.....	28.0	28.2	26.6	26.5	29.9	28.0	25.8	35.2	31.0	27.9	52.1
6-10.....	32.0	28.9	28.0	37.4	29.4	26.6	37.0	28.7	35.7	38.0	19.7
11-15.....	16.7	18.5	18.2	13.5	18.4	20.7	19.2	14.6	13.9	14.5	10.3
16-20.....	6.5	4.1	10.7	6.8	7.4	8.7	5.8	6.4	3.5	3.5	3.9
20-30.....	4.0	3.6	5.9	3.3	4.7	5.2	3.7	4.7	2.0	2.2	0.6
more than 30.....	1.1	1.0	1.6	1.2	1.0	0.4	2.2	1.3	0.3	0.3	0.0
Socializing with Friends											
none.....	0.3	0.0	0.3	0.3	0.7	0.4	0.3	1.4	0.0	0.0	0.0
1-2.....	3.8	3.7	1.1	3.7	4.6	4.1	5.0	5.3	4.1	1.7	19.8
3-5.....	15.1	12.8	14.1	19.6	11.8	11.4	9.8	13.6	17.5	18.8	8.7
6-10.....	25.3	27.8	35.4	21.9	24.0	23.4	27.2	23.1	25.9	26.4	22.9
11-15.....	20.7	20.3	20.2	19.4	22.8	21.9	23.8	23.6	16.7	16.1	20.7
16-20.....	15.9	15.7	16.5	16.2	15.5	15.0	17.0	15.2	15.1	16.1	8.4
20-30.....	8.3	9.7	5.8	8.5	7.3	8.6	6.7	5.7	7.5	7.7	5.8
more than 30.....	10.7	9.8	6.5	10.4	13.2	15.2	10.3	12.2	13.2	13.2	13.5

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Talking w/Teacher Outside Class											
none	14.7	17.3	12.1	13.8	14.1	15.4	9.5	15.0	18.2	17.6	22.6
1-2	57.1	56.6	55.0	58.9	55.8	50.6	65.8	57.4	56.9	58.9	43.3
3-5	18.9	17.2	25.3	17.3	20.7	22.2	20.9	18.3	14.9	13.0	28.0
6-10	6.4	7.4	6.3	6.5	5.5	7.6	2.8	4.1	6.0	6.5	2.5
11-15	1.7	1.2	0.0	1.6	2.7	2.6	0.6	4.3	2.7	3.1	0.0
16-20	1.0	0.3	1.3	1.6	0.7	0.9	0.0	0.9	1.3	1.0	3.6
20-30	0.2	0.0	0.0	0.3	0.2	0.4	0.3	0.0	0.0	0.0	0.0
more than 30	0.1	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0
Exercising or Sports											
none	9.1	7.9	1.2	12.6	8.2	8.2	6.9	9.0	8.4	8.6	6.5
1-2	21.7	24.0	22.6	20.4	20.6	20.9	18.7	21.2	21.4	20.6	27.0
3-5	25.6	27.1	30.5	24.9	23.6	22.1	27.9	23.1	30.7	30.0	35.2
6-10	19.7	18.6	19.3	18.5	22.3	23.2	19.4	22.7	23.1	23.9	17.7
11-15	11.7	10.2	14.6	10.8	13.5	14.6	14.9	11.0	10.4	11.0	6.5
16-20	6.4	6.2	7.0	6.6	6.3	6.3	6.7	6.0	3.2	3.1	3.8
20-30	3.8	4.6	2.4	4.1	3.0	1.6	4.4	4.3	2.0	1.8	3.3
more than 30	2.0	1.5	2.3	1.9	2.6	3.1	1.1	2.7	0.9	1.1	0.0
Using a Personal Computer											
none	53.8	54.5	56.5	53.3	52.9	55.5	57.1	46.3	60.5	60.7	58.7
1-2	25.8	25.5	25.3	25.1	27.1	28.1	24.3	27.6	20.4	20.3	21.4
3-5	13.6	13.8	14.0	12.3	14.8	11.4	12.1	21.4	12.6	12.2	14.8
6-10	4.9	4.8	3.0	6.5	3.7	2.9	4.6	4.1	3.7	3.8	3.0
11-15	1.4	0.7	1.0	2.4	1.0	1.2	1.3	0.6	1.0	0.9	1.3
16-20	0.4	0.7	0.2	0.4	0.2	0.5	0.0	0.0	0.5	0.4	0.7
20-30	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	1.0	1.1	0.0
more than 30	0.1	0.0	0.0	0.2	0.2	0.4	0.0	0.0	0.5	0.5	0.0
Partying											
none	18.5	14.5	22.3	19.0	21.0	17.8	15.9	28.8	18.2	16.3	30.3
1-2	20.5	21.2	23.0	19.3	20.5	18.2	19.6	24.3	22.1	23.3	14.3
3-5	26.2	24.8	24.6	28.5	25.4	29.7	27.9	17.4	19.5	19.6	19.0
6-10	18.5	22.6	18.8	18.4	14.4	14.1	20.8	10.9	20.5	20.5	20.8
11-15	7.6	7.4	7.8	7.0	8.6	10.0	9.5	5.8	6.2	6.4	5.2
16-20	4.9	5.1	1.3	4.6	6.0	5.4	3.2	8.6	6.3	5.8	9.5
20-30	1.7	0.9	0.7	1.9	2.6	1.9	1.4	4.2	1.4	1.6	0.0
more than 30	2.0	3.5	1.6	1.3	1.6	2.7	1.7	0.0	5.8	6.5	0.9
Working (For Pay)											
none	27.9	24.9	32.6	29.8	27.3	28.1	23.2	28.8	24.7	23.3	34.0
1-2	3.9	3.7	3.6	3.0	5.3	6.3	3.8	4.8	3.0	3.1	1.9
3-5	6.0	5.5	8.6	4.9	7.1	7.6	7.2	6.3	7.1	5.5	17.6
6-10	10.0	9.7	14.5	9.1	10.4	9.9	11.8	10.2	6.6	6.7	5.8
11-15	16.3	17.9	15.2	17.0	14.0	14.4	15.3	12.4	16.0	17.3	7.5
16-20	21.1	25.8	13.5	21.2	18.3	18.7	19.1	17.4	21.6	22.1	18.0
20-30	10.5	10.3	7.1	11.5	10.4	9.5	12.5	10.3	13.5	14.1	9.6
more than 30	4.3	2.1	5.0	3.6	7.2	5.5	7.0	9.9	7.5	7.8	5.5

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1986)											
Volunteer Work											
none	51.2	50.8	42.4	55.4	48.8	50.8	38.6	52.3	55.8	56.8	49.0
1-2	30.8	33.7	30.1	28.9	30.6	28.1	35.8	31.1	28.4	28.3	29.1
3-5	11.3	9.6	18.0	8.9	14.0	14.3	17.8	11.1	10.0	9.9	11.3
6-10	4.3	4.9	7.5	3.2	4.3	4.7	3.3	4.2	4.5	4.0	8.1
11-15	1.4	0.7	1.5	1.9	1.6	1.7	2.3	0.9	0.7	0.4	2.5
16-20	0.3	0.0	0.0	0.6	0.5	0.2	1.9	0.0	0.5	0.6	0.0
20-30	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
more than 30	0.4	0.4	0.5	0.5	0.3	0.2	0.3	0.5	0.0	0.0	0.0
Student Clubs and Groups											
none	21.0	19.2	13.7	25.7	18.9	17.5	18.9	21.1	42.1	45.9	16.6
1-2	28.9	32.3	23.0	26.2	30.5	31.0	26.3	32.5	21.3	19.8	31.5
3-5	29.5	29.0	33.4	29.3	29.2	28.0	31.3	29.7	17.3	14.4	36.9
6-10	13.2	14.4	18.5	11.7	12.4	13.6	12.7	10.4	11.7	11.9	11.0
11-15	4.2	2.7	7.0	3.6	5.5	6.5	5.3	4.3	4.9	5.2	2.6
16-20	1.6	0.6	1.7	2.0	2.0	2.3	2.4	1.3	1.6	1.7	0.7
20-30	1.1	1.8	1.6	0.7	0.8	0.9	1.0	0.6	0.9	1.1	0.0
more than 30	0.5	0.0	1.1	0.7	0.6	0.2	2.1	0.2	0.1	0.0	0.7
Watching TV											
none	7.1	8.6	11.4	5.2	6.8	8.1	7.8	4.3	4.3	4.1	5.5
1-2	27.4	31.2	30.1	24.6	26.2	26.0	27.0	26.0	27.4	27.1	29.0
3-5	32.3	31.7	31.7	33.5	31.4	36.3	30.3	24.9	25.6	24.6	32.7
6-10	20.6	18.1	17.8	23.5	20.4	19.6	24.0	19.5	30.0	30.9	23.5
11-15	6.8	6.3	4.8	7.9	6.4	4.0	7.0	9.6	7.1	7.3	6.1
16-20	3.2	1.8	2.7	1.9	6.3	3.6	2.0	12.9	5.3	5.6	3.3
20-30	1.8	2.0	1.0	2.2	1.4	1.1	1.1	2.0	0.4	0.5	0.0
more than 30	0.8	0.3	0.4	1.3	1.0	1.2	0.7	0.9	0.0	0.0	0.0
Religious Services or Meetings											
none	28.7	33.1	21.9	27.2	28.2	33.9	22.2	23.4	35.1	37.5	19.1
1-2	52.1	52.3	49.9	54.7	49.4	46.2	66.0	43.9	46.6	46.6	46.9
3-5	14.8	12.2	20.5	14.0	16.7	15.7	8.2	23.5	15.3	13.0	31.3
6-10	3.5	2.2	6.6	3.3	4.2	3.1	0.5	8.2	2.4	2.5	2.2
11-15	0.4	0.2	0.8	0.6	0.2	0.2	0.2	0.3	0.3	0.2	0.6
16-20	0.1	0.0	0.0	0.0	0.5	0.5	0.7	0.2	0.3	0.3	0.0
20-30	0.1	0.0	0.3	0.0	0.2	0.2	0.3	0.1	0.0	0.0	0.0
more than 30	0.2	0.0	0.0	0.2	0.6	0.3	1.8	0.2	0.0	0.0	0.0
Hobbies											
none	11.3	13.2	9.1	10.0	11.7	10.4	10.3	14.5	13.3	14.2	6.8
1-2	33.6	34.6	34.0	35.1	30.5	27.5	34.4	32.5	29.0	26.4	47.3
3-5	33.0	32.8	34.7	33.3	32.4	35.6	31.2	28.4	42.7	45.0	27.0
6-10	14.2	14.1	13.6	12.9	16.2	16.7	12.4	17.8	12.2	12.3	12.1
11-15	4.3	2.5	5.7	5.3	4.3	4.8	1.7	5.1	1.4	0.8	5.2
16-20	2.1	2.2	1.4	1.7	2.9	4.4	3.1	0.4	0.4	0.4	0.0
20-30	0.7	0.2	0.7	0.7	1.2	0.1	3.6	1.3	0.4	0.5	0.0
more than 30	0.8	0.4	0.8	1.0	0.9	0.6	3.3	0.0	0.5	0.4	1.5

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FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Classes or Labs	1.0	0.5	4.6	0.6	1.0	1.6	1.3	0.0	1.8	2.1	0.0
none	0.7	0.4	0.0	0.9	0.8	1.6	0.2	0.0	0.0	0.0	0.0
less than one	1.9	1.7	1.8	3.2	0.5	0.8	0.0	0.4	5.1	5.3	3.6
1-2	5.9	5.4	5.4	5.3	7.4	6.6	6.7	9.1	4.4	4.2	6.0
3-5	14.9	11.1	13.1	17.4	16.1	19.8	13.6	12.2	17.3	16.2	24.6
6-10	31.8	33.5	34.8	29.3	32.2	32.8	36.2	28.9	27.1	28.0	20.8
11-15	29.2	31.5	32.0	26.7	29.1	24.1	31.5	34.7	25.9	24.1	38.0
16-20	14.7	15.9	8.1	16.6	12.9	12.7	10.5	14.7	18.5	20.2	7.0
more than 20											
Studying or Homework	0.1	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.6	0.7	0.0
none	0.3	0.4	0.3	0.0	0.7	1.1	1.0	0.0	0.1	0.0	0.6
less than one	4.9	7.1	4.3	4.3	3.3	2.4	4.0	4.2	7.6	7.6	7.2
1-2	21.2	20.8	17.3	23.8	19.5	19.2	22.1	18.3	21.9	21.0	27.6
3-5	30.1	27.3	26.0	32.2	31.4	33.1	30.7	29.4	31.9	32.1	30.3
6-10	20.1	20.4	22.4	17.9	21.7	21.3	19.6	23.6	18.4	18.9	15.0
11-15	12.7	13.1	11.1	13.1	12.3	12.7	10.9	12.6	12.2	12.3	11.6
16-20	10.7	10.9	18.7	8.6	10.7	9.5	11.6	11.9	7.4	7.3	7.9
more than 20											
Socializing with Friends	0.4	0.1	0.0	1.0	0.2	0.2	0.2	0.0	0.7	0.7	0.6
none	0.8	1.3	0.0	0.6	0.6	0.4	1.2	0.6	1.8	2.1	0.0
less than one	5.0	5.4	3.5	6.2	3.7	2.8	4.5	4.6	11.1	10.2	17.1
1-2	19.5	20.0	17.7	19.2	19.8	19.2	18.4	21.4	20.8	21.2	18.7
3-5	27.8	28.0	26.9	29.7	25.5	24.9	30.0	23.7	29.9	30.8	23.9
6-10	19.6	21.8	20.8	18.6	18.3	19.3	11.9	20.5	12.3	11.9	15.0
11-15	12.6	10.1	13.5	12.5	15.1	13.4	12.4	19.2	9.0	9.5	5.7
16-20	14.2	13.2	17.6	12.2	16.8	19.6	21.5	10.1	14.3	13.6	19.1
more than 20											
Talking w/Faculty Outside Class	7.1	9.8	4.2	7.7	4.5	5.1	2.2	5.1	14.5	15.8	5.7
none	39.1	46.5	42.0	37.8	32.3	27.1	39.0	35.6	36.9	36.6	38.8
less than one	37.6	33.1	43.1	38.2	39.7	42.2	42.0	34.8	35.1	34.2	41.6
1-2	13.4	8.6	8.9	14.2	18.7	20.3	11.5	20.8	9.0	9.1	8.3
3-5	2.1	1.2	1.3	1.7	3.7	3.9	4.1	3.3	3.9	4.0	2.8
6-10	0.3	0.3	0.0	0.3	0.5	0.9	0.0	0.3	0.2	0.3	0.0
11-15	0.3	0.5	0.5	0.1	0.4	0.4	0.9	0.2	0.4	0.0	2.7
16-20	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0
more than 20											
Exercising or Sports	6.0	2.6	3.6	8.8	6.9	7.5	5.0	7.3	7.3	7.7	4.4
none	15.3	13.7	15.6	15.0	17.2	14.3	13.8	23.4	12.6	12.7	11.9
less than one	29.7	35.7	20.6	30.7	25.1	26.0	30.8	20.3	29.5	28.3	37.9
1-2	29.9	29.1	38.6	29.6	28.5	28.5	28.2	28.6	31.8	33.0	23.9
3-5	13.0	12.7	17.0	11.8	13.9	13.9	14.2	13.5	14.8	14.4	17.2
6-10	3.1	2.8	1.8	2.5	4.7	5.2	4.5	4.0	1.3	1.5	0.0
11-15	1.3	1.2	2.5	0.4	2.0	2.7	0.8	1.8	0.9	0.7	2.2
16-20	1.7	2.3	0.3	1.3	1.8	1.9	2.7	1.1	1.8	1.7	2.5
more than 20											

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Reading for Pleasure											
none	21.6	17.9	21.2	26.8	19.1	17.6	21.2	19.9	15.6	15.8	13.7
less than one	28.9	31.8	30.5	25.6	29.6	26.5	27.7	35.3	20.1	19.0	27.7
1-2	26.7	29.2	28.2	24.8	26.2	24.4	32.1	25.0	25.6	26.1	22.3
3-5	13.2	12.7	12.9	12.2	14.9	21.0	11.4	8.5	26.2	25.7	29.6
6-10	5.5	3.8	4.3	7.0	5.8	7.3	5.9	3.5	10.6	11.5	4.5
11-15	2.0	0.8	2.0	1.6	3.7	1.8	1.6	7.5	1.7	1.6	2.1
16-20	0.9	1.8	0.6	0.4	0.5	0.9	0.0	0.3	0.0	0.0	0.0
more than 20	1.2	2.1	0.3	1.5	0.2	0.4	0.0	0.0	0.2	0.3	0.0
Using a Personal Computer											
none	19.1	21.2	11.7	21.6	16.0	17.5	13.6	15.4	23.8	23.0	28.9
less than one	16.2	17.2	9.1	18.2	14.6	14.2	16.7	13.9	18.3	17.9	20.5
1-2	21.1	20.5	18.6	22.6	20.5	19.2	19.7	23.0	19.3	20.1	14.0
3-5	23.2	22.9	29.1	21.1	24.5	23.9	28.8	22.7	13.5	13.6	12.9
6-10	12.5	11.4	16.9	9.4	16.2	14.9	14.6	19.1	17.6	19.1	8.1
11-15	3.8	3.6	7.4	2.8	4.0	5.3	3.9	2.2	3.4	3.3	4.1
16-20	2.1	1.9	4.1	2.2	1.4	1.5	0.9	1.7	1.7	0.3	11.5
more than 20	2.1	1.3	3.1	2.0	2.7	3.6	1.9	1.9	2.3	2.6	0.0
Partying											
none	14.2	11.1	17.8	16.5	13.7	10.2	8.9	21.5	17.5	17.6	17.1
less than one	10.7	11.6	6.8	9.4	12.6	15.1	8.0	11.9	10.9	9.6	19.6
1-2	20.0	19.0	19.1	18.7	23.1	19.9	20.2	29.5	16.5	16.9	13.4
3-5	26.1	25.4	26.7	28.8	23.4	21.0	31.8	21.7	20.8	20.5	22.9
6-10	16.6	18.0	17.5	17.2	14.3	16.5	16.7	9.8	22.5	24.4	9.9
11-15	8.0	9.7	6.6	6.0	9.1	12.2	9.0	4.8	7.8	6.9	13.1
16-20	2.5	3.2	4.1	2.3	1.8	2.6	2.2	0.3	1.4	1.6	0.0
more than 20	1.7	2.1	1.4	1.2	2.0	2.6	3.3	0.4	2.7	2.5	3.9
Working (For Pay)											
none	21.2	22.5	22.4	21.2	19.5	22.6	19.9	15.0	25.6	27.8	10.9
less than one	0.9	1.0	1.0	0.4	1.5	1.6	0.6	1.9	0.0	0.0	0.0
1-2	2.8	1.8	1.7	4.4	2.1	2.7	0.5	2.3	3.8	3.6	5.3
3-5	5.2	3.8	5.2	3.7	8.5	9.2	4.0	10.4	6.1	6.6	3.1
6-10	16.1	12.8	20.0	14.0	20.9	24.1	13.8	20.7	11.9	10.6	20.3
11-15	15.7	23.0	14.1	12.8	12.3	12.0	16.3	10.2	11.5	11.5	11.6
16-20	17.4	19.9	18.9	17.6	14.1	14.3	17.4	11.8	14.0	14.2	12.5
more than 20	20.7	15.2	16.6	25.9	21.1	13.6	27.5	27.8	27.0	25.6	36.4
Volunteer Work											
none	59.0	61.9	51.3	60.9	55.9	58.0	51.4	55.6	72.5	77.0	42.9
less than one	12.5	11.8	12.8	10.9	15.0	13.5	18.1	15.2	9.7	5.5	36.8
1-2	14.7	13.7	17.8	14.3	15.4	15.2	14.4	16.2	8.1	7.7	10.7
3-5	6.7	5.8	9.9	6.0	7.8	8.3	9.9	5.7	6.9	7.0	5.9
6-10	3.0	3.9	5.0	1.6	3.1	3.0	4.3	2.6	2.5	2.5	2.3
11-15	1.2	0.8	2.0	1.0	1.5	1.2	1.1	2.3	0.1	0.0	0.4
16-20	0.9	1.9	0.7	0.7	0.2	0.0	0.3	0.6	0.2	0.3	0.0
more than 20	2.0	0.3	0.5	4.5	1.1	0.9	0.4	1.8	0.1	0.0	1.0

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
HOURS PER WEEK IN THE LAST YEAR SPENT ON (Reported in 1990)											
Student Clubs/Groups											
none	40.9	46.0	35.9	43.2	34.3	36.3	28.7	35.0	63.1	65.0	50.4
less than one	10.4	7.8	11.0	11.1	12.0	12.1	14.8	10.2	10.2	10.1	11.2
1-2	22.9	22.1	22.4	21.5	25.8	23.8	30.8	25.8	13.9	11.6	29.2
3-5	16.8	15.2	21.0	15.5	18.9	19.5	13.5	21.5	8.8	9.2	6.3
6-10	6.2	6.3	6.3	6.6	5.5	5.4	5.5	5.6	3.0	3.3	1.6
11-15	1.2	0.8	2.5	1.0	1.4	1.4	2.2	1.1	0.3	0.3	0.5
16-20	0.5	0.2	0.0	0.7	0.7	0.4	1.5	0.8	0.1	0.0	0.7
more than 20	1.0	1.5	1.0	0.4	1.2	1.3	3.0	0.0	0.5	0.6	0.0
Watching TV											
none	6.4	5.9	13.9	4.0	7.6	9.2	3.8	7.7	3.3	3.7	0.7
less than one	14.3	12.9	12.7	14.6	15.8	15.4	15.0	16.8	13.9	14.9	6.8
1-2	22.0	19.2	28.6	20.9	24.2	22.1	27.4	25.4	25.0	23.9	32.8
3-5	30.1	27.1	25.5	34.4	29.3	28.5	25.9	32.5	21.9	20.3	32.6
6-10	16.2	17.6	12.8	16.6	15.4	15.1	20.5	12.7	18.4	19.6	10.4
11-15	6.0	9.3	3.9	5.8	3.4	4.0	3.6	2.6	5.7	5.8	4.9
16-20	3.2	6.1	1.9	2.0	1.9	2.8	1.6	0.8	6.7	7.3	2.3
more than 20	1.9	1.9	0.6	1.7	2.4	3.0	2.3	1.6	5.2	4.5	9.6
Commuting to Campus											
none	38.1	25.0	40.3	37.6	51.7	54.9	46.9	50.0	24.5	24.7	23.1
less than one	18.6	22.2	26.5	16.2	15.5	14.8	18.4	15.0	17.4	17.5	16.9
1-2	15.0	16.7	14.9	16.4	11.4	11.8	11.0	11.0	16.1	16.3	14.9
3-5	15.8	25.2	12.2	13.7	9.7	11.5	12.7	5.4	19.3	19.8	15.6
6-10	9.3	9.0	5.6	13.0	6.1	4.1	7.6	8.1	16.2	15.7	19.5
11-15	1.5	1.5	0.0	1.5	2.1	1.6	3.1	2.1	5.1	5.6	1.7
16-20	0.3	0.2	0.0	0.5	0.2	0.0	0.0	0.7	0.0	0.0	0.0
more than 20	1.4	0.3	0.5	1.1	3.2	1.3	0.4	7.7	1.4	0.4	8.2
Religious Services or Meetings											
none	43.0	47.1	35.4	44.2	39.6	48.0	23.7	37.4	50.8	55.7	17.8
less than one	23.0	23.1	21.1	23.4	23.0	18.3	30.1	25.2	19.4	19.2	20.9
1-2	25.5	24.5	23.6	24.7	28.1	24.4	41.7	25.0	21.9	19.4	39.0
3-5	6.5	3.9	18.5	5.1	7.3	7.7	3.2	9.1	6.1	4.1	19.5
6-10	1.3	0.8	0.9	1.7	1.3	1.0	0.5	2.2	1.6	1.6	1.1
11-15	0.2	0.1	0.5	0.2	0.2	0.3	0.5	0.0	0.1	0.0	0.8
16-20	0.3	0.4	0.0	0.0	0.5	0.3	0.2	1.0	0.0	0.0	0.0
more than 20	0.2	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.8
Hobbies											
none	21.6	21.0	17.7	23.2	21.3	20.3	20.8	23.0	23.1	24.8	11.5
less than one	27.3	30.5	28.2	27.5	23.6	18.0	24.1	31.4	23.2	24.0	18.1
1-2	31.0	29.8	35.8	29.5	32.8	34.9	32.6	29.9	26.4	26.0	28.9
3-5	13.7	12.3	14.0	14.1	14.5	17.1	15.9	10.0	20.1	20.1	20.4
6-10	3.9	3.7	3.8	3.2	5.0	6.4	4.3	3.5	5.6	3.8	17.8
11-15	1.0	0.2	0.2	1.1	1.7	2.4	0.9	1.3	1.4	1.2	2.6
16-20	1.0	1.9	0.3	0.8	0.3	0.0	0.0	1.0	0.0	0.0	0.0
more than 20	0.6	0.6	0.0	0.6	0.8	1.0	1.5	0.0	0.1	0.0	0.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Career in 1986											
accountant or actuary	6.7	6.6	7.4	7.0	6.2	3.0	7.4	10.3	4.1	4.2	3.4
actor or entertainer	1.5	1.3	0.7	1.0	2.5	4.5	0.2	0.7	0.0	0.0	0.0
architect or urban planner	0.5	0.4	1.3	0.8	0.0	0.0	0.0	0.0	2.5	2.8	0.0
artist	1.5	1.3	1.3	1.2	2.3	3.9	1.4	0.5	3.5	3.4	4.3
business (clerical)	0.7	0.8	0.0	1.0	0.4	0.0	1.1	0.5	6.2	5.7	8.9
business executive (management)	9.7	10.8	5.6	9.0	10.6	10.0	14.7	9.2	12.3	13.8	3.2
business owner or proprietor	2.1	3.7	0.6	0.6	2.7	3.8	3.5	0.8	0.9	1.0	0.0
business salesperson or buyer	1.3	1.1	0.0	1.9	1.2	1.5	2.5	0.0	5.4	4.9	8.2
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
clergy (other religious)	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.8	0.0	0.0	0.0
clinical psychologist	2.3	1.6	0.0	1.5	4.6	5.5	5.8	2.6	0.2	0.0	1.3
college teacher	0.3	0.2	0.7	0.1	0.3	0.4	0.0	0.4	0.0	0.0	0.0
computer programmer or analyst	1.6	1.1	1.1	1.9	2.0	2.2	1.4	1.8	2.3	2.5	0.8
conservationist or forester	0.2	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.8	0.9	0.0
dentist (including orthodontist)	0.4	0.5	0.8	0.2	0.3	0.0	0.0	0.9	0.4	0.3	0.7
dietitian or home economist	0.2	0.4	0.0	0.1	0.2	0.0	0.9	0.0	0.1	0.0	1.0
engineer	3.5	7.5	3.8	1.7	1.5	2.4	0.0	1.0	1.7	1.9	0.0
farmer or rancher	0.2	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.6	0.7	0.0
frgn svc worker (incl diplomat)	1.3	1.4	4.9	0.7	1.0	0.5	1.7	1.2	0.6	0.7	0.0
homemaker (full-time)	0.3	0.1	2.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0
interior decorator or designer	0.9	0.9	0.0	0.6	1.4	2.4	1.3	0.0	0.6	0.6	0.6
intepreter (translator)	0.3	0.3	1.0	0.2	0.3	0.3	0.0	0.4	0.0	0.0	0.0
lab technician or hygienist	1.1	0.2	0.2	2.7	0.4	0.6	0.5	0.0	2.3	2.3	2.2
law enforcement officer	0.1	0.0	0.0	0.3	0.2	0.0	0.4	0.2	2.2	2.6	0.0
lawyer (attorney) or judge	5.1	4.3	7.8	4.8	5.6	5.2	5.7	6.2	1.4	1.0	3.5
military service (career)	0.1	0.0	0.0	0.3	0.1	0.0	0.4	0.0	0.0	0.0	0.0
musician (performer,composer)	0.6	0.2	0.5	0.8	0.8	0.8	0.0	1.3	0.2	0.0	1.4
nurse	4.4	1.6	3.9	8.3	2.6	2.2	6.8	0.8	8.0	8.9	1.9
optometrist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8
pharmacist	0.7	0.8	1.7	1.0	0.0	0.0	0.0	0.0	1.3	1.5	0.0
physician	4.5	4.9	9.0	1.6	6.3	6.6	5.0	6.7	1.1	1.2	0.6
school counselor	0.5	0.4	1.3	0.6	0.3	0.3	0.3	0.4	0.6	0.6	0.6
school principal/superintendent	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	1.9	2.8	3.5	0.9	1.8	1.3	1.8	2.4	0.9	1.0	0.0
social,welfare,recreational work	2.4	1.1	2.0	3.7	2.2	1.8	1.8	3.0	3.4	3.9	0.0
statistician	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
therapist (phys,occup,speech)	3.5	5.4	1.6	3.6	1.8	1.3	2.1	2.3	1.3	1.1	2.6
teacher (elementary)	9.1	4.5	2.6	14.6	8.7	7.9	10.0	9.3	8.0	6.5	17.9
teacher (secondary)	3.3	2.7	1.2	4.6	2.9	2.0	3.5	4.0	2.1	2.0	2.8
veterinarian	1.3	2.1	0.8	1.0	0.9	0.8	0.0	1.6	0.0	0.0	0.0
writer or journalist	4.7	7.3	8.0	2.4	4.1	3.7	3.3	5.0	1.6	1.6	1.9
skilled trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other	6.4	5.9	7.0	7.1	6.0	7.0	2.8	6.4	7.3	6.6	11.5
undecided	14.6	14.7	17.6	11.8	17.0	16.8	13.7	19.1	16.0	15.4	19.9

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Four-year Colleges: Universities: Pub	Four-year Colleges: Universities: Priv	Four-year Colleges: All Pub	Four-year Colleges: All Priv	Four-year Colleges: Nons	Four-year Colleges: Cath	Four-year Colleges: Prot	Two-year Colleges: All	Two-year Colleges: Pub	Two-year Colleges: Priv
Probable Career in 1990											
accountant or actuary	4.4	4.0	5.0	5.7	3.0	2.6	6.8	1.3	2.7	3.0	0.7
actor or entertainer	0.5	0.3	1.3	0.1	1.1	1.0	0.8	1.3	0.0	0.0	0.0
architect or urban planner	0.4	0.3	2.3	0.4	0.2	0.3	0.0	0.0	0.3	0.3	0.0
artist	1.4	0.6	0.7	1.1	2.9	5.4	0.5	0.8	1.3	1.3	1.0
business (clerical)	0.7	0.5	0.4	1.0	0.4	0.3	0.4	0.6	9.0	9.7	4.1
business executive (management)	13.7	16.8	10.3	10.8	15.0	11.1	17.7	19.3	14.7	13.9	19.9
business owner or proprietor	2.0	4.0	1.2	1.0	1.3	1.2	1.0	1.6	1.0	1.1	0.0
business salesperson or buyer	2.6	3.5	1.2	2.9	1.6	2.0	1.6	1.2	2.4	2.6	1.0
clergy (minister,priest)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
clergy (other religious)	0.2	0.0	0.0	0.2	0.4	0.5	0.0	0.5	0.0	0.0	0.0
clinical psychologist	2.5	4.4	1.6	1.6	1.7	1.7	1.2	1.9	0.2	0.0	1.4
college teacher	1.9	1.7	3.6	0.9	2.9	2.9	1.4	3.9	0.4	0.4	0.0
computer programmer or analyst	1.3	1.1	0.6	1.4	1.5	1.4	0.5	2.3	1.5	1.2	3.3
conservationist or forester	0.3	0.4	1.1	0.3	0.0	0.0	0.0	0.0	0.7	0.9	0.0
dentist (including orthodontist)	0.1	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	1.0
dietitian or home economist	0.5	0.9	0.0	0.4	0.5	0.0	1.8	0.5	0.0	0.0	0.0
engineer	1.2	3.0	0.6	0.3	0.6	1.2	0.0	0.0	1.9	2.1	0.0
farmer or rancher	0.3	0.5	0.0	0.2	0.3	0.7	0.0	0.0	0.3	0.4	0.0
frgn svc worker (incl diplomat)	0.6	0.3	1.4	0.5	0.8	0.2	3.0	0.5	0.4	0.3	1.1
homemaker (full-time)	0.4	0.2	2.1	0.0	0.5	0.4	0.5	0.8	0.4	0.0	3.1
interior decorator or designer	0.5	0.9	0.3	0.3	0.4	0.8	0.3	0.0	0.3	0.0	2.0
intepreter (translator)	0.1	0.0	0.0	0.3	0.1	0.3	0.0	0.0	0.0	0.0	0.0
lab technician or hygienist	0.9	0.4	0.0	1.7	0.7	1.1	0.0	0.7	0.9	1.0	0.0
law enforcement officer	0.5	0.9	0.3	0.3	0.4	0.7	0.4	0.0	0.9	0.9	0.8
lawyer (attorney) or judge	4.7	4.3	9.2	3.9	4.9	6.6	4.8	2.4	1.7	1.7	1.4
military service (career)	0.3	0.1	0.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
musician (performer,composer)	0.2	0.0	0.0	0.3	0.3	0.6	0.0	0.0	0.4	0.0	2.8
nurse	5.1	6.1	4.4	5.7	3.5	3.6	5.4	2.3	6.5	5.7	11.7
optometrist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pharmacist	0.5	0.7	2.1	0.3	0.2	0.2	0.4	0.0	0.4	0.5	0.0
physician	2.0	1.9	5.3	0.6	2.9	4.0	2.4	1.6	0.2	0.2	0.0
school counselor	0.7	0.1	0.7	1.6	0.2	0.4	0.0	0.0	0.0	0.0	0.0
school principal/superintendent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
scientific researcher	1.5	2.0	0.9	0.8	2.0	2.1	1.1	2.4	0.4	0.3	1.0
social,welfare,recreational work	4.4	4.0	3.4	5.1	4.3	3.4	4.1	5.7	7.8	8.0	6.3
statistician	0.2	0.3	0.0	0.2	0.1	0.0	0.3	0.0	0.0	0.0	0.0
therapist (phys,occup,speech)	1.8	3.2	1.8	0.9	1.5	1.1	2.6	1.6	2.6	2.8	1.9
teacher (elementary)	13.9	9.8	6.9	20.2	12.7	10.9	13.2	14.9	15.8	16.3	12.4
teacher (secondary)	4.9	3.9	4.9	5.8	4.7	4.8	3.0	5.7	2.6	2.5	2.6
veterinarian	0.5	0.8	0.2	0.6	0.0	0.0	0.0	0.0	0.8	0.9	0.0
writer or journalist	3.7	2.2	8.6	4.2	3.4	2.7	2.9	4.6	3.3	3.5	2.0
skilled trades	0.3	0.0	0.0	0.2	0.7	1.4	0.0	0.0	2.1	2.0	2.9
other	12.8	11.5	8.6	13.7	14.2	13.7	14.9	14.4	10.9	11.1	10.0
undecided	5.4	4.2	8.5	3.8	7.8	8.3	7.1	7.4	5.3	5.3	5.4

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986											
ARTS AND HUMANITIES											
art, fine and applied	2.4	2.6	1.7	1.4	3.7	6.6	1.6	0.7	1.9	1.3	5.4
English (language & literature)	2.5	4.1	2.3	0.9	3.0	3.8	2.3	2.2	1.2	1.3	0.6
history	0.4	0.3	1.8	0.2	0.4	0.6	0.4	0.2	0.0	0.0	0.0
journalism	2.2	3.4	4.5	1.6	1.3	1.6	1.7	0.6	0.8	0.7	1.3
language/literature (except Eng)	1.3	2.1	1.1	1.0	1.0	2.0	0.0	0.2	0.3	0.2	0.8
music	1.0	0.2	0.5	0.7	2.3	2.9	0.0	2.9	0.1	0.0	0.5
philosophy	0.1	0.0	0.0	0.0	0.2	0.3	0.0	0.2	0.0	0.0	0.0
speech	0.3	0.4	0.6	0.3	0.2	0.2	0.3	0.0	0.0	0.0	0.0
theater or drama	0.8	0.4	1.9	0.3	1.5	2.6	1.6	0.0	3.3	3.8	0.0
theology or religion	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.9	0.0	0.0	0.0
other arts and humanities	0.9	0.6	2.9	0.3	1.2	1.9	0.9	0.5	0.2	0.3	0.0
BIOLOGICAL SCIENCES											
biology (general)	3.0	2.8	4.1	2.7	3.2	4.0	1.3	3.3	1.5	1.6	1.0
biochemistry or biophysics	0.6	1.2	1.6	0.0	0.6	0.7	0.9	0.3	0.0	0.0	0.0
botany	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.3	0.4	0.6	0.4	0.2	0.4	0.0	0.0	0.1	0.0	0.8
microbiology or bacteriology	0.3	0.1	1.8	0.0	0.3	0.0	0.5	0.6	1.1	1.2	0.0
zoology	0.2	0.4	0.0	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0
other biological science	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0
BUSINESS											
accounting	5.6	5.9	7.2	6.6	3.5	2.0	7.0	3.5	4.6	4.7	4.2
business admin (general)	5.8	3.1	1.0	6.1	9.5	6.9	10.1	13.0	9.0	9.6	4.8
finance	1.5	2.1	2.5	1.5	0.8	0.8	1.5	0.4	0.4	0.4	0.0
marketing	2.7	3.0	1.1	2.5	3.0	3.6	5.3	0.6	4.8	4.9	4.0
management	3.9	4.6	2.2	3.4	4.2	4.1	5.5	3.7	5.0	5.7	0.0
secretarial studies	0.4	0.0	0.0	0.6	0.6	0.0	1.1	1.1	8.8	8.8	9.2
other business	1.7	1.8	1.7	1.6	1.7	2.3	1.7	0.9	1.2	0.9	3.8
EDUCATION											
business education	0.2	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.8
elementary education	7.8	3.9	3.1	12.0	7.6	7.6	7.7	7.8	8.2	7.2	15.2
music or art education	0.5	0.2	0.0	1.1	0.2	0.0	0.0	0.5	1.0	0.9	1.7
physical education or recreation	1.0	0.4	1.6	1.3	0.9	0.3	0.0	2.1	0.1	0.0	0.8
secondary education	1.5	1.6	0.2	1.8	1.2	1.3	1.4	0.9	1.7	1.6	2.1
special education	1.3	0.5	1.6	1.9	1.1	1.0	1.2	1.3	1.3	1.1	2.7
other education	0.6	0.9	0.0	1.0	0.0	0.0	0.0	0.0	0.2	0.0	1.7
ENGINEERING											
aeronautical/astronautical eng	0.4	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
civil engineering	0.3	0.4	1.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
chemical engineering	0.4	1.0	0.4	0.2	0.1	0.0	0.0	0.3	0.9	1.0	0.0
electrical engineering	0.9	1.6	1.5	0.4	0.6	0.8	0.0	0.7	0.4	0.5	0.0
industrial engineering	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanical engineering	1.0	3.0	0.4	0.3	0.1	0.2	0.0	0.0	0.3	0.3	0.0
other engineering	1.1	1.0	1.5	1.4	0.6	0.9	0.0	0.6	0.0	0.0	0.0

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1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Probable Major in 1986 (cont)											
PHYSICAL SCIENCES											
astronomy	0.1	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.6	0.7	0.2	0.8	0.5	0.4	0.4	0.6	0.1	0.0	0.8
earth science	0.1	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine science	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.2	1.5	1.2	1.4	0.5	0.8	0.3	0.1	1.4	1.6	0.0
physics	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical science	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture or urban planning	0.3	0.3	1.3	0.4	0.0	0.0	0.0	0.0	1.6	1.9	0.0
home economics	0.7	1.4	0.0	0.6	0.3	0.0	0.5	0.5	0.0	0.0	0.0
health technology (med,dent,lab)	1.3	0.9	0.0	2.4	0.8	1.1	0.0	1.0	1.3	0.9	4.0
library or archival science	0.1	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nursing	4.1	1.8	3.0	7.0	3.0	2.2	6.0	2.2	7.5	8.4	1.9
pharmacy	0.6	0.6	1.7	0.7	0.1	0.2	0.0	0.1	1.2	1.4	0.0
predent,premed,prevet	4.1	6.0	6.0	1.7	4.6	3.3	5.3	6.1	0.2	0.3	0.0
therapy (occup,phys,speech)	2.6	3.6	2.6	2.6	1.4	1.4	1.3	1.5	1.8	1.5	3.9
other professional	0.9	0.5	0.3	1.2	1.0	0.9	1.5	0.9	0.8	0.8	0.6
SOCIAL SCIENCES											
anthropology	0.1	0.0	0.0	0.2	0.3	0.5	0.4	0.0	0.4	0.5	0.0
economics	0.3	0.0	0.5	0.0	0.8	1.1	1.0	0.3	0.0	0.0	0.0
ethnic studies	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
geography	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
political science	3.4	2.7	7.1	2.3	4.4	3.0	4.7	6.2	1.3	1.3	1.2
psychology	6.6	5.6	2.8	6.3	9.2	8.4	10.7	9.4	1.9	1.3	6.0
social work	1.0	0.4	0.9	1.4	1.0	1.0	0.3	1.5	2.9	3.3	0.0
sociology	0.6	0.0	0.3	1.0	0.5	1.0	0.4	0.0	0.0	0.0	0.0
women's studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other social science	0.6	1.5	0.0	0.4	0.2	0.4	0.0	0.0	0.4	0.5	0.0
TECHNICAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
data processing or computer prog	0.6	1.0	0.0	0.4	0.7	0.4	1.2	0.8	3.3	2.1	11.4
drafting or design	0.1	0.0	0.0	0.2	0.2	0.3	0.0	0.0	1.2	1.4	0.0
electronics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER											
agriculture	0.5	1.3	0.0	0.3	0.0	0.0	0.0	0.0	1.5	1.7	0.0
communications (radio,TV,etc.)	2.3	1.2	3.5	2.6	2.6	1.9	1.4	4.5	3.3	3.6	1.0
computer science	0.9	0.3	1.1	1.3	0.8	0.8	0.6	1.0	0.2	0.2	0.0
forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0
law enforcement	0.7	0.0	0.0	1.3	0.7	0.7	1.5	0.2	1.1	1.3	0.0
military science	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other field	1.0	0.9	1.3	1.4	0.6	0.5	0.0	1.0	0.8	0.5	2.9
undecided	9.2	11.5	11.0	6.3	10.3	9.9	8.1	12.1	6.1	6.3	4.8

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990											
ARTS AND HUMANITIES											
art, fine and applied	2.3	0.8	2.0	1.7	4.7	7.7	0.8	2.5	2.9	2.8	3.4
English (language & literature)	4.9	4.6	7.8	3.8	5.8	7.4	2.2	5.5	2.7	2.9	1.5
history	1.8	1.4	5.2	1.7	1.2	1.0	1.3	1.6	0.0	0.0	0.0
journalism	1.9	2.2	4.3	2.1	0.7	0.8	0.8	0.4	0.4	0.2	1.3
language/literature (except Eng)	1.3	2.0	1.7	0.6	1.2	1.9	0.8	0.4	0.1	0.0	0.8
music	0.6	0.2	0.5	0.7	0.8	0.7	1.9	0.3	0.4	0.0	3.0
philosophy	0.3	0.0	1.4	0.0	0.6	0.5	1.1	0.5	0.0	0.0	0.0
speech	0.4	0.5	0.6	0.5	0.3	0.4	0.0	0.4	0.0	0.0	0.0
theater or drama	0.7	0.3	1.8	0.1	1.3	1.4	1.0	1.4	0.0	0.0	0.0
theology or religion	0.1	0.2	0.0	0.0	0.2	0.0	0.0	0.6	0.0	0.0	0.0
other arts and humanities	0.9	0.8	1.8	0.0	2.1	1.8	2.1	2.5	2.6	2.6	2.4
BIOLOGICAL SCIENCES											
biology (general)	2.9	2.6	3.5	1.9	4.2	5.2	3.2	3.4	0.9	1.0	0.0
biochemistry or biophysics	0.3	0.5	0.0	0.2	0.2	0.0	0.0	0.7	0.1	0.0	1.0
botany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
marine (life) science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8
microbiology or bacteriology	0.2	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
zoology	0.3	0.8	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0
other biological science	0.4	0.2	1.3	0.2	0.5	0.6	0.7	0.3	0.2	0.3	0.0
BUSINESS											
accounting	4.8	4.9	5.3	5.7	3.3	2.9	7.2	1.6	5.0	5.6	0.6
business admin (general)	2.4	0.9	1.9	2.6	3.7	2.1	4.4	5.8	4.4	3.9	7.5
finance	1.5	1.9	2.5	1.2	1.3	0.9	4.5	0.0	0.0	0.0	0.0
marketing	3.3	4.3	3.1	2.4	3.6	3.0	6.7	2.7	4.0	4.5	0.8
management	3.8	7.2	2.9	2.0	2.7	3.4	3.0	1.7	3.1	3.2	2.2
secretarial studies	0.3	0.0	0.0	0.2	0.7	0.0	1.7	1.0	9.7	10.3	5.4
other business	1.6	1.4	0.3	0.7	3.3	0.4	1.8	8.6	4.0	4.6	0.0
EDUCATION											
business education	0.3	0.0	0.4	0.6	0.2	0.0	0.0	0.6	1.5	0.0	11.5
elementary education	10.0	7.6	4.8	14.6	8.3	5.7	9.4	11.5	15.5	16.3	10.8
music or art education	0.7	0.5	0.0	0.6	1.1	1.1	0.0	1.7	0.3	0.3	0.8
physical education or recreation	1.2	0.0	1.6	1.9	1.4	1.5	0.4	1.8	0.1	0.0	0.5
secondary education	1.6	1.7	1.0	1.9	1.4	1.6	0.6	1.6	2.1	2.1	2.0
special education	1.5	0.7	1.2	2.0	1.7	3.2	0.8	0.1	0.2	0.0	1.2
other education	1.2	1.3	0.0	1.6	0.9	1.1	1.0	0.4	0.7	0.6	0.9
ENGINEERING											
aeronautical/astronautical eng	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
civil engineering	0.2	0.0	0.2	0.1	0.3	0.7	0.0	0.0	0.7	0.8	0.0
chemical engineering	0.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0
electrical engineering	0.4	1.1	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.0
industrial engineering	0.4	1.3	0.3	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
mechanical engineering	0.1	0.2	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0
other engineering	0.3	0.3	1.0	0.2	0.2	0.0	0.0	0.6	0.0	0.0	0.0

1990 FOLLOW-UP OF FALL 1986 FRESHMEN
ADJUSTED NATIONAL NORMS

FEMALE STUDENTS	All 4-yr	Universities		Four-year Colleges					Two-year Colleges		
		Pub	Priv	All Pub	All Priv	Nons	Cath	Prot	All	Pub	Priv
Major Reported in 1990 (cont)											
PHYSICAL SCIENCES											
astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
atmospheric science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
chemistry	0.6	0.5	0.7	0.5	0.7	0.4	0.6	1.4	0.2	0.3	0.0
earth science	0.2	0.2	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0
marine science	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mathematics	1.1	0.8	0.7	1.6	1.0	0.8	0.8	1.3	1.4	1.6	0.0
physics	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.3	0.3	0.0
statistics	0.2	0.3	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other physical science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PROFESSIONAL											
architecture or urban planning	0.3	0.4	1.3	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.0
home economics	1.2	1.7	0.0	1.2	1.0	1.1	1.7	0.5	0.0	0.0	0.0
health technology (med,dent,lab)	2.9	1.1	0.0	6.5	0.9	0.5	0.0	1.9	1.1	0.8	3.0
library or archival science	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.0	0.0	0.0
nursing	4.2	5.6	3.9	4.3	2.6	1.9	4.7	2.2	6.1	5.3	11.3
pharmacy	0.3	0.4	1.8	0.1	0.0	0.0	0.0	0.0	0.9	1.1	0.0
predent,premed,prevet	0.5	0.5	0.3	0.4	0.6	0.6	0.0	1.0	0.8	0.9	0.0
therapy (occup,phys,speech)	1.7	3.0	1.0	1.4	0.9	0.4	2.2	0.9	1.7	1.7	1.7
other professional	0.9	0.5	0.4	1.0	1.2	2.3	0.5	0.0	0.9	0.6	2.5
SOCIAL SCIENCES											
anthropology	0.4	0.1	1.0	0.1	0.8	1.2	0.3	0.5	0.4	0.5	0.0
economics	2.1	4.2	1.8	0.6	1.9	3.2	1.4	0.4	0.4	0.4	0.0
ethnic studies	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
geography	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.0
political science	3.9	3.3	7.7	3.5	3.9	3.7	5.8	3.0	1.7	1.6	2.3
psychology	7.8	7.2	8.0	6.5	9.9	10.6	12.9	6.9	1.8	1.8	1.9
social work	2.2	2.7	0.9	2.6	1.6	1.9	0.6	1.8	3.3	3.2	3.9
sociology	2.5	1.4	1.9	3.4	2.7	1.9	1.7	4.5	0.9	0.8	1.1
women's studies	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
other social science	1.2	1.8	1.2	0.5	1.5	1.3	0.7	2.1	0.4	0.4	0.0
TECHNICAL											
building trades	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
data processing or computer prog	0.5	0.0	0.0	1.0	0.6	0.9	0.0	0.4	1.2	1.4	0.0
drafting or design	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
electronics	0.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
mechanics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other technical	0.1	0.2	0.0	0.0	0.2	0.5	0.0	0.0	0.7	0.4	2.8
OTHER											
agriculture	0.7	1.1	0.0	1.0	0.1	0.2	0.0	0.0	1.6	1.8	0.0
communications (radio,TV,etc.)	4.0	4.8	5.3	2.0	5.1	3.6	4.7	7.7	5.1	5.8	0.7
computer science	0.9	0.0	1.2	1.7	0.7	0.2	0.2	1.6	0.9	0.6	3.1
forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0
law enforcement	0.9	0.4	0.0	1.7	0.7	1.1	0.9	0.0	1.7	1.7	1.5
military science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
other field	2.5	3.6	1.0	2.7	1.4	1.9	1.9	0.5	3.1	2.8	5.0
undecided	1.1	0.5	0.0	1.6	1.2	1.7	0.0	1.0	0.1	0.0	0.8

Appendix A

Weighting Methodology

Appendix A
Weighting Methodology

ADJUSTING THE 1990 FOLLOW–UP RESULTS

Why Adjustment is Necessary

The 1990 follow–up of 1986 and 1988 freshmen shares a problem in common with many mail–out surveys—low response rate. In the national norms sample, some 19.6% of the 22,583 1986 freshmen, and 22.4% of the 20,959 1988 freshmen returned their surveys. Response rates varied significantly according to sex, race and type of school, with women responding more than men; whites, Chicanos and Asians responding more than blacks and other races; and students attending private schools responding more than those at public schools (see Tables A1–A3).

It is a well–known fact that people who do not respond to a survey are "different" from people who do. The way in which the difference manifests itself in any given survey depends on what the survey measures. In the case of the 1990 follow–up, two very important differences between respondents and non–respondents are academic achievement and retention (see Table A4). Some of the more striking examples include:

High School Grades—respondents are almost twice as likely to have a high school GPA of A- or better, and less than one–half as likely to have a GPA of C+ or less.

SAT Scores—respondents have higher overall SAT scores than non–respondents.

Retention—respondents were far more likely to have completed four years at their 1986 college (two years for the 1988 cohort) and/or be currently enrolled. Non–respondents were more than twice as likely to have dropped out before completing their first year.

While some of these differences are clearly related to the demographic differences already mentioned, it is reasonable to assume that "success" in college may also be an influence on whether or not a student responds.

It stands to reason that such biases will yield results more optimistic than one might expect on such important issues as retention, academic performance and satisfaction. In order to provide a more reasonable estimate of the actual situation regarding these issues, we must find a method for

estimating, in effect, how those students who did not respond would have answered the follow–up questions.

Computing the Adjustments for the National Norms Sample

Following the method developed by Astin and Molm (1972), we decided to describe the respondent and non–respondent samples in more detail by using the statistical technique of multiple stepwise regression to identify freshman characteristics which predict whether or not a student would respond to the follow–up survey. In addition, regression helped in measuring the relative importance of interrelated factors (such as high school grades and SAT) in predicting response.

The variables used to predict whether a student responded to the survey came from two sources: 1) The 1986 (or 1988) freshman survey responses available for each student in the follow–up sample, and 2) The retention information which was obtained from the registrar's office of each CIRP institution where the students were enrolled during their freshman year (response rates for registrar's data are shown in Tables A1–A3).

Each cohort was divided into four groups on the basis of sex and the presence or absence of registrar's data . A regression was then run on each group, using every variable (over 300) in the freshman and registrar's data. Each regression produced a set of some 15–35 variables which had a significant predictive power, and an equation which indicated the relative contribution of each variable to the prediction (see Tables A5, A6).

By applying the appropriate regression equation to each student in the sample, it is possible to estimate the response probability for each student in the sample. Students with a low probability of response should have, as a group, a smaller repsonse rate than those with a high computed probability of response. Table A7 shows that the probabilities computed for the 1990 follow–up did discrimiante well between respondents and non–respondents.

At this point, non–respondents were dropped and a weighting factor was produced for each responding student, consisting of the reciprocal of the student's computed probability of response. Thus, a responding student with a low computed probability was given a large weight, while a responding student with a high probability of response was given a small weight. Responding students with a low response probability therefore stand as a "proxy" for other low–probability students who did not respond. In effect, this procedure gives the greatest weight to the responses of those students who most resemble the non–respondents. An arbitrary ceiling of 99.99 was set for this weight, to prevent giving undue weight to any single case. Less than 0.1% of the students' assigned weights would have been higher than the ceiling.

Using these weights yielded counts that approximate the entire sample to whom follow–up surveys were mailed. Because the regression equations were not perfect predictors of response, and because the follow–up national norms counts were estimates of the 1986 (or 1988) national

population of first–time full–time freshmen, a second weighting factor was necessary. This new weight allowed the weighted counts to match the population counts by sex and stratification cell as indicated in the 1986 and 1988 national norms. The weight compensated for two additional factors: the sampling of students for the follow–up, and the sampling of institutions for the original freshman survey. The product of the two weighting factors comprise the final weight for each student.

Effects of Weighting the National Norms Sample

A set of adjusted national norms was produced using the weights developed by this method. The report showed substantial differences from the "unadjusted" results in areas relating to academic ability, performance in college and satisfaction. The greatest changes (in terms of percentage points) are shown below.

Item	Unadjusted	Adjusted	Change
Earned bachelor's degree by 1989	65.7	49.8	–15.9
High school GPA of A– or better	29.0	18.8	–10.2
Transferred, withdrew or took leave of absence	25.5	35.7	+10.2
Plan to attend full–time in Fall 1990	34.8	44.6	+ 9.8
Failed course or class	28.2	37.4	+ 9.2
Satisfied with faculty/administration contact	67.2	58.4	– 8.8
Made "B" or better GPA in college	75.9	67.3	– 8.6
High self–rating: academic achievement	74.3	66.0	– 8.3

Problems with the Adjustment

Analyses of the type used to produce the adjustments in the follow–up data for a particular stratification cell are subject to distortion under certain conditions. The most important of these is sample size. If a particular respondent group is small, individual differences between students (which are magnified by the weighting factors) can obscure trends which actually exist in the population. Generally speaking, if the respondent sample is less than 50, the adjusted results should be regarded with some caution. Percentages based on samples of less than 50 are indicated in the national norms reports by *italics*.

Table A1
Response Rates by Sex

Sex	1986 Cohort Follow–up Percent	1986 Cohort Registrar Percent	1986 Cohort N	1988 Cohort Follow–up Percent	1988 Cohort Registrar Percent	1988 Cohort N
Male	16.5	54.7	13,058	18.1	44.3	12,825
Female	23.8	54.2	9,475	29.2	46.7	8,134
Total	19.6	54.5	22,533	22.4	45.2	20,959

Table A2
Response Rates by Race

Sex	1986 Cohort Follow–up Percent	1986 Cohort Registrar Percent	1986 Cohort N	1988 Cohort Follow–up Percent	1988 Cohort Registrar Percent	1988 Cohort N
White	22.6	57.4	16,094	25.7	48.2	15,988
Black	8.4	42.7	3,664	8.5	33.9	3,553
American Indian	12.6	54.9	175	19.0	47.9	163
Asian	20.5	43.6	523	24.1	39.4	611
Chicano	13.3	26.1	241	19.9	40.7	327
Puerto Rican	11.8	44.9	127	15.7	55.1	127
Other	13.7	45.4	315	20.5	39.2	352
Total	19.6	54.5	22,533	22.4	45.2	20,959

NOTE: Sum of ethnic counts is larger than the "total" count because respondents may indicate more than one ethnic category.

Table A3
Response Rates by Norm Group

	1986 Cohort			1988 Cohort		
	Follow–up Percent	Registrar Percent	N	Follow–up Percent	Registrar Percent	N
All four year institutions	20.9	56.3	18,801	23.0	47.5	18,006
Public universities	20.5	49.6	3,926	24.8	36.6	3,974
Private universities	28.4	73.1	1,724	24.2	69.6	1,872
Public four–year colleges	16.9	43.9	5,157	19.1	29.4	4,525
All private four–year colleges	22.0	63.9	7,994	24.1	58.5	7,635
Nonsectarian four–year colleges	18.8	55.0	4,127	19.5	39.3	3,661
Catholic four–year colleges	25.2	71.0	1,922	28.6	69.8	1,963
Protestant four–year colleges	25.6	75.6	1,945	29.0	67.6	1,669
All two–year colleges	13.0	45.7	3,732	18.7	31.6	2,953
Public two–year colleges	13.2	42.2	2,677	18.8	27.9	2,094
Private two–year colleges	12.5	54.4	1,055	18.4	40.5	859
Total	19.6	54.5	22,533	22.4	45.2	20,959

NOTE: Historically Black colleges are included in the appropriate norms goup. No separate norms groups for Black colleges were included due to low response rates.

Table A4
Selected Freshman Characteristics of Respondents and Non–Respondents to the 1990 Follow–up

	Did Student Respond?			
	1986 Cohort		1988 Cohort	
	No	Yes	No	Yes
High school grades A– or better	19.9	36.8	21.7	37.1
High school grades C+ or worse	23.7	9.8	22.0	9.7
White students	68.7	82.5	73.1	87.4
Black students	18.5	6.9	20.0	6.4
Completed less than 1 yr of college	14.2	6.1	11.3	5.2
Completed 4 (or 2) years of college	39.8	63.5	64.7	80.4
Enrolling in Fall 1990	20.9	18.3	61.9	74.1
Received BA	27.5	52.8	—	—
Average SAT Composite	979.0	1064.1	1012.7	1072.2

Table A5
Top Five Predictors of Response: 1986 Cohort

Men—Registrar's Data (R=.33)	Beta
Registrar: received bachelor's degree	.128
Average high school grade	.071
Freshman at public 2–year college	-.046
Student's racial background: White	.045
Future activity: get job to pay expenses	.044

Women—Registrar's Data (R=.33)	Beta
Registrar: received bachelor's degree	.099
Average high school grade	.096
Registrar: number of years completed	.074
Parents married and together	.071
Student's racial background: White	.063

Men—No Registrar's Data (R=.28)	Beta
Average high school grade	.081
SAT math score	.069
Self–rating: mathematical ability	-.063
Parents married and together	.050
Received aid: other private grant	.049

Women—No Registrar's Data (R=.31)	Beta
Student's racial background: White	.088
Average high school grade	.074
Freshman at private university	-.060
Hours per week spent partying	-.060
Parents divorced or separated	-.057

Table A6
Top Five Predictors of Response: 1988 Cohort

Men—Registrar's Data (R=.30)	Beta
Received aid: other college grant	.057
Registrar: number of years completed	.054
Choice of college: recruited by athletic dept	-.053
Received aid: other savings	.051
Hours per week spent at exercise or sports	-.048

Women—Registrar's Data (R=.33)	Beta
Freshman at private university	-.086
Average high school grade	.076
Student's racial background: White	.071
Received aid: other college grant	.058
Registrar: number of years completed	.058

Men—No Registrar's Data (R=.30)	Beta
Student's racial background: Black	-.106
Average high school grade	.080
Freshman at male–only college	-.070
Hours per week spent at exercise or sports	-.050
Studied with other students	-.039

Women—No Registrar's Data (R=.33)	Beta
Student's racial background: Black	-.110
Average high school grade	.091
Permission to use student I.D.	.058
Received aid: other savings	.058
Freshman at private university	-.057

Table A7
Response Rates by Computed Probability of Response

Computed Probability of Response	1986 Cohort		1988 Cohort	
	Percent	N	Percent	N
0.0—0.1	5.2	5,521	5.7	4,061
0.1—0.2	13.5	6,699	13.3	5,356
0.2—0.3	23.0	5,565	23.5	5,619
0.3—0.4	35.6	3,146	34.4	3,556
0.4—0.5	47.4	1,228	46.0	1,658
0.5—0.6	59.7	303	61.8	560
0.6—0.7	62.5	64	67.2	134
0.7 or more	100.0	7	86.7	15
Total	19.6	22,533	22.4	20,959

Appendix B

Converting ACT Scores to SAT Equivalents

Appendix B
Converting ACT Scores to SAT Equivalents

The ACT equivalent was obtained by summing three ACT subtests (English, Natural Sciences, Social Sciences) and converting to SAT equivalent by the equipercentile method (N=14,865). The sum of the three (range 3–108) ACT subtests was used (rather than simply the ACT English subtest) because it resulted in a better correlation with the SAT Verbal score (r=.82 vs. r=.69). If a record had one or more of the ACT subtests missing, the entire record was dropped from the file. The resulting conversion table is shown below.

ACT Sum	SAT Verbal	ACT Sum	SAT Verbal	ACT Sum	SAT Verbal
108	800	72	500	36	300
107	800	71	490	35	300
106	800	70	480	34	290
105	800	69	480	33	280
104	800	68	470	32	280
103	800	67	460	31	270
102	800	66	460	30	260
101	790	65	450	29	260
100	770	64	440	28	250
99	760	63	440	27	250
98	750	62	440	26	240
97	740	61	430	25	230
96	730	60	430	24	230
95	720	59	420	23	220
94	710	58	420	22	220
93	700	57	410	21	210
92	690	56	410	20	210
91	680	55	400	19	210
90	670	54	400	18	210
89	660	53	390	17 or below	200
88	640	52	390		
87	630	51	380		
86	620	50	380		
85	610	49	370		
84	600	48	370		
83	590	47	360		
82	580	46	360		
81	570	45	350		
80	560	44	350		
79	550	43	340		
78	540	42	340		
77	540	41	330		
76	530	40	320		
75	520	39	310		
74	510	38	310		
73	510	37	310		

ACT equivalent is obtained by an equipercentile conversion of the ACT Mathematical subtest score (range 1–36) to SAT[1]. The correlation between SAT-M and converted ACT-M is .85 (N=14,000).

ACT Math	SAT Math
36	780
35	750
34	730
33	710
32	700
31	680
30	660
29	640
28	610
27	590
26	560
25	530
24	510
23	500
22	480
21	470
20	460
19	450
18	440
17	430
16	410
15	390
14	380
13	370
12	360
11	350
10	340
9	330
8	330
7	320
6	300
5	290
4	280
3	270
2	260
1	240

[1] Adapted from Astin, Henson, and Christian (1978).

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Appendix C

1990 Follow–Up Survey Instrument

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1990 FOLLOW-UP SURVEY OF COLLEGE STUDENTS

IF THE NAME, ADDRESS OR BIRTHDATE IS INCORRECT, PLEASE PRINT THE CORRECT INFORMATION BELOW:

NAME: FIRST | MI | LAST

ADDRESS

CITY | STATE | ZIP

PHONE

BIRTHDATE: MONTH | DAY | YEAR

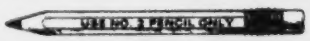
DIRECTIONS:

Your responses will be read by an optical mark reader. Your observance of these few directions will be most appreciated.

- **Use only a black lead pencil (No. 2 is ideal).**
- **Make heavy black marks that fill the oval.**
- **Erase cleanly any answer you wish to change.**
- **Make no stray markings of any kind.**

EXAMPLE: Will marks made with a ball-point or felt-tip pen be properly read?

○ Yes ● No



1. If you could make your college choice over again, would you still choose to enroll at the college you entered as a freshman?

○ Definitely yes ○ Probably not ○ Don't know
○ Probably I would ○ Definitely not

2. Since entering college have you: (Mark all that apply)

- Enrolled in honors or advanced courses ○
- Joined a fraternity or sorority ○
- Gotten married ○
- Failed a course or class ○
- Had a part-time job on campus ○
- Had a part-time job off campus ○
- Worked full-time while attending school ○
- Participated in a study abroad program ○
- Participated in a college internship program ○
- Participated in campus protests/demonstrations ○
- Been elected to a student office ○
- Taken reading/study skills classes ○
- Graduated with honors ○
- Enrolled in an ethnic studies course ○
- Enrolled in a women's studies course ○
- Assisted faculty in teaching a course ○
- Attended a racial/cultural awareness workshop ○
- Participated in an ethnic/racial student organization ○
- Worked on a professor's research project ○
- Participated in intercollegiate football or basketball ○
- Participated in other intercollegiate sport ○
- Taken remedial or developmental courses ○

3. Your sex: ○ Male ○ Female

4. Please indicate (A) the highest degree you have earned as of June 1990 and (B) the highest degree you plan to complete.

(Mark one in each column)

	Highest Degree Earned (A)	Highest Degree Planned (B)
None	Ⓐ	Ⓑ
Vocational certificate	Ⓐ	Ⓑ
Associate (A.A. or equivalent)	Ⓐ	Ⓑ
Bachelor's degree (BA, BS, etc.)	Ⓐ	Ⓑ
Master's degree (MA, MS, etc.)	Ⓐ	Ⓑ
Ph.D. or Ed.D.	Ⓐ	Ⓑ
MD, D.O., D.D.S., or D.V.M.	Ⓐ	Ⓑ
LL.B. or J.D. (Law)	Ⓐ	Ⓑ
B.D. or M.DIV. (Divinity)	Ⓐ	Ⓑ
Other	Ⓐ	Ⓑ

5. Which option listed below best describes your enrollment status each year since you entered college?

(Mark one in each column)

	YEAR 1	2	3	4
Attended my first college full-time	①	②	③	④
Attended my first college part-time	①	②	③	④
Attended a different college full-time	①	②	③	④
Attended a different college part-time	①	②	③	④
Not enrolled	①	②	③	④

6. Which option listed below best describes where you lived during each year you attended college?

(Mark one in each column)

	YEAR 1	2	3	4
With parents or relatives	①	②	③	④
Other private home, apartment, room	①	②	③	④
College dormitory	①	②	③	④
Fraternity or sorority house	①	②	③	④
Other campus student housing	①	②	③	④
Other	①	②	③	④

7. Since entering college as a freshman, have you taken a leave of absence, withdrawn from school, or transferred to another college? (If more than one applies, mark only the most recent)

○ NO → **Please go to question 9.**

○ Took a leave of absence
○ Withdrew from school
○ Transferred before completing my program

} **Please answer Question 8**

8. How important were each of the reasons listed below in your decision to take a leave of absence, withdraw from school, or transfer?

(Mark one answer for each reason)

	Very important	Somewhat important	Not important
Wanted to reconsider my goals and interests	V	S	N
Changed my career plans	V	S	N
Wanted practical experience	V	S	N
Didn't feel like I "fit in" at my first college	V	S	N
Was bored with my coursework	V	S	N
Wanted to go to a school with a better academic reputation	V	S	N
Wanted a better social life	V	S	N
Wanted to be closer to home	V	S	N
Had a good job offer	V	S	N
Wasn't doing as well academically as I had expected	V	S	N
Family responsibilities	V	S	N
Tired of being a student	V	S	N
Had money problems and could no longer afford to attend college	V	S	N
Wanted to go to a school that offered a wider selection of courses or more major field choices	V	S	N

9. Please provide the following information about your scores on the tests listed below:

GRE: Verbal ☐☐☐ **GRE: Quantitative** ☐☐☐

LSAT ☐☐☐ **MCAT** ☐☐

10. Please rate your satisfaction with the college you entered as a freshman on each of the aspects of campus life listed below.

(Mark one in each row)

	Very Satisfied	Satisfied	Neutral	Dissatisfied	Can't Rate / No Experience
Science and mathematics courses	V	S	N	D	?
Humanities courses	V	S	N	D	?
Social science courses	V	S	N	D	?
Courses in your major field	V	S	N	D	?
General Education requirements	V	S	N	D	?
Relevance of coursework to everyday life	V	S	N	D	?
Overall quality of instruction	V	S	N	D	?
Laboratory facilities and equipment	V	S	N	D	?
Library facilities	V	S	N	D	?
Computer facilities	V	S	N	D	?
Opportunities to take interdisciplinary courses	V	S	N	D	?
Opportunities to discuss coursework and assignments outside of class with professors	V	S	N	D	?
Opportunities to participate in extracurricular activities	V	S	N	D	?
Campus social life	V	S	N	D	?
Regulations governing campus life	V	S	N	D	?
Tutorial help or other academic assistance	V	S	N	D	?
Academic advising	V	S	N	D	?
Career counseling and advising	V	S	N	D	?
Personal counseling	V	S	N	D	?
Student housing	V	S	N	D	?
Financial aid services	V	S	N	D	?
Amount of contact with faculty and administrators	V	S	N	D	?
Overall relationships with faculty and administrators	V	S	N	D	?
Opportunities to attend films, concerts, etc.	V	S	N	D	?
Job placement services for students	V	S	N	D	?
Campus health services	V	S	N	D	?
Overall college experience	V	S	N	D	?

11. Rate yourself on each of the following traits as compared with the average person your age. We want the most accurate estimate of how you see yourself.

(Mark one in each row)

	Highest 10%	Above Average	Average	Below Average	Lowest 10%
Academic ability					
Artistic ability					
Competitiveness					
Drive to achieve					
Emotional health					
Ability to learn a foreign language					
Leadership ability					
Mathematical ability					
Physical health					
Popularity					
Popularity with the opposite sex					
Public speaking ability					
Self-confidence (intellectual)					
Self-confidence (social)					
Writing ability					

12. Please mark your probable career/occupation below:

- Accountant or actuary
- Actor or entertainer
- Architect or urban planner
- Artist
- Business (clerical)
- Business executive (management, administrator)
- Business owner or proprietor
- Business salesperson or buyer
- Clergy (minister, priest)
- Clergy (other religious)
- Clinical psychologist
- College teacher
- Computer programmer or analyst
- Conservationist or forester
- Dentist (including orthodontist)
- Dietitian or home economist
- Engineer
- Farmer or rancher
- Foreign service worker (including diplomat)
- Homemaker (full-time)
- Interior decorator (including designer)
- Interpreter (translator)
- Lab technician or hygienist
- Law enforcement officer
- Lawyer (attorney) or judge
- Military service (career)
- Musician (performer, composer)
- Nurse
- Optometrist
- Pharmacist
- Physician
- School counselor
- School principal or superintendent
- Scientific researcher
- Social, welfare or recreation worker
- Statistician
- Therapist (physical, occupational, speech)
- Teacher or administrator (elementary)
- Teacher or administrator (secondary)
- Veterinarian
- Writer or journalist
- Skilled trades
- Other
- Undecided

13. For the activities listed below, please indicate how often (Frequently, Occasionally, or Not at all) you engaged in each during the past year.

(Mark one in each row)

	Frequently	Occasionally	Not at all
Attended a musical recital or concert	F	O	N
Smoked cigarettes	F	O	N
Been lonely or homesick	F	O	N
Socialized with someone of another racial/ethnic group	F	O	N
Felt depressed	F	O	N
Felt overwhelmed by all I had to do	F	O	N
Stayed up all night	F	O	N
Attended a religious service	F	O	N
Used a personal computer	F	O	N
Received career/vocational counseling	F	O	N
Received personal/psychological counseling	F	O	N
Drank beer	F	O	N
Drank wine or liquor	F	O	N

14. During your last year in college, how much time did you spend during a typical week doing the following activities?

(Mark one in each row)

	Hours Per Week							
	None	Less than 1 hour	1-2	3-5	6-10	11-15	16-20	Over 20
Classes/labs								
Studying/homework								
Socializing with friends								
Talking with faculty outside of class								
Exercising/sports								
Reading for pleasure								
Using a personal computer								
Partying								
Working (for pay)								
Volunteer work								
Student clubs/groups								
Watching TV								
Commuting to campus								
Religious services/meetings								
Hobbies								

15. What do you plan to be doing in the fall of 1990? (Mark all that apply)

- Attending undergraduate college full-time
- Attending undergraduate college part-time
- Attending graduate or professional school
- Attending a vocational training program
- Working full-time
- Working part-time
- Serving in the Armed Forces
- Traveling, hosteling, or backpacking
- Doing volunteer work
- Staying at home to be with (or start) my family

16. Compared with when you entered college as a freshman, how would you now describe your:

(Mark one for each item)

	Much Stronger	Stronger	No Change	Weaker	Much Weaker
General knowledge	5	4	3	2	1
Analytical and problem-solving skills	5	4	3	2	1
Knowledge of a particular field or discipline	5	4	3	2	1
Ability to think critically	5	4	3	2	1
Foreign language ability	5	4	3	2	1
Job-related skills	5	4	3	2	1
Religious beliefs and convictions	5	4	3	2	1
Interest in pursuing a graduate/professional degree	5	4	3	2	1
Preparation for graduate or professional school	5	4	3	2	1
Leadership abilities	5	4	3	2	1
Ability to work independently	5	4	3	2	1
Interpersonal skills	5	4	3	2	1
Cultural awareness and appreciation	5	4	3	2	1
Tolerance of persons with different beliefs	5	4	3	2	1
Acceptance of people from different races/cultures	5	4	3	2	1
Confidence in your academic abilities	5	4	3	2	1
Writing skills	5	4	3	2	1
Public speaking ability	5	4	3	2	1
Competitiveness	5	4	3	2	1
Ability to work cooperatively	5	4	3	2	1

17. Indicate the importance to you personally of each of the following:

(Mark one for each item)

	Essential	Very Important	Somewhat Important	Not Important
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	E	V	S	N
Becoming an authority in my field	E	V	S	N
Obtaining recognition from my colleagues for contributions to my special field	E	V	S	N
Influencing the political structure	E	V	S	N
Influencing social values	E	V	S	N
Raising a family	E	V	S	N
Having administrative responsibility for the work of others	E	V	S	N
Being very well off financially	E	V	S	N
Helping others who are in difficulty	E	V	S	N
Making a theoretical contribution to science	E	V	S	N
Writing original works (poems, novels, short stories, etc.)	E	V	S	N
Creating artistic work (painting, sculpture, decorating, etc.)	E	V	S	N
Being successful in a business of my own	E	V	S	N
Becoming involved in programs to clean up the environment	E	V	S	N
Developing a meaningful philosophy of life	E	V	S	N
Participating in a community action program	E	V	S	N
Helping to promote racial understanding	E	V	S	N
Becoming an expert on finance and commerce	E	V	S	N

18. Your current religious preference:
(Mark one)

Baptist ○	Jewish ○	Roman Catholic ○
Buddhist ○	LDS (Mormon) ○	Seventh Day Adventist ○
Congregational ○	Lutheran ○	Other Protestant ○
Eastern Orthodox ○	Methodist ○	Other Religion ○
Episcopal ○	Presbyterian ○	None ○
Islamic ○	Quaker ○	

19. Indicate how important you believe each priority listed below is at the college or university you entered as a freshman.
(Mark one for each item)

	High Priority	Medium Priority	Low Priority	Not a Priority
To promote the intellectual development of students	H	M	L	N
To help students examine and understand their personal values	H	M	L	N
To increase the representation of minorities in the faculty and administration	H	M	L	N
To develop a sense of community among students and faculty	H	M	L	N
To develop leadership ability among students	H	M	L	N
To conduct research	H	M	L	N
To raise money for the institution	H	M	L	N
To develop leadership ability among faculty	H	M	L	N
To increase the representation of women in the faculty and administration	H	M	L	N
To facilitate student involvement in community service activities	H	M	L	N
To help students learn how to bring about change in American society	H	M	L	N
To help solve major social and environmental problems	H	M	L	N
To maintain a campus climate where differences of opinion can be aired openly	H	M	L	N
To increase or maintain institutional prestige	H	M	L	N
To develop among students and faculty an appreciation for a multi-cultural society	H	M	L	N
To hire faculty "stars"	H	M	L	N
To economize and cut costs	H	M	L	N
To recruit more minority students	H	M	L	N
To enhance the institution's national image	H	M	L	N
To create a positive undergraduate experience	H	M	L	N
To create a diverse multi-cultural environment on campus	H	M	L	N

20. During the most recent year you attended college, indicate how often (Frequently, Occasionally, or Not at all) you engaged in the following activities.
(Mark one for each item)

	Frequently	Occasionally	Not at all
Worked on an independent research project	F	O	N
Took an interdisciplinary course	F	O	N
Discussed course content with students outside of class	F	O	N
Worked on group projects in class	F	O	N
Been a guest in a professor's home	F	O	N
Tutored another student	F	O	N
Participated in intramural sports	F	O	N
Missed classes because of illness	F	O	N
Felt like leaving college	F	O	N
Failed to complete homework on time	F	O	N
Used a personal computer	F	O	N
Was bored in class	F	O	N
Did extra (unassigned) work for a course	F	O	N
Studied with other students	F	O	N
Performed volunteer work	F	O	N

21. Mark the one oval that best describes your undergraduate grade average.

○ A (3.75-4.0)	○ B-, C+ (2.25-2.74)
○ A-, B+ (3.25-3.74)	○ C (1.75-2.24)
○ B (2.75-3.24)	○ C- or less (below 1.75)

22. Below is a list of different undergraduate major fields grouped into general categories. Mark only one oval to indicate your current/last field of study.

ARTS AND HUMANITIES
- Art, fine and applied
- English (language and literature)
- History
- Journalism
- Language and Literature (except English)
- Music
- Philosophy
- Speech
- Theater or Drama
- Theology or Religion
- Other Arts and Humanities

BIOLOGICAL SCIENCE
- Biology (general)
- Biochemistry or Biophysics
- Botany
- Marine (Life) Science
- Microbiology or Bacteriology
- Zoology
- Other Biological Science

BUSINESS
- Accounting
- Business Administration (general)
- Finance
- Marketing
- Management
- Secretarial Studies
- Other Business

EDUCATION
- Business Education
- Elementary Education
- Music or Art Education
- Physical Education or Recreation
- Secondary Education
- Special Education
- Other Education

ENGINEERING
- Aeronautical or Astronautical Engineering
- Civil Engineering
- Chemical Engineering
- Electrical or Electronic Engineering
- Industrial Engineering
- Mechanical Engineering
- Other Engineering

PHYSICAL SCIENCE
- Astronomy
- Atmospheric Science (incl. Meteorology)
- Chemistry
- Earth Science
- Marine Science (incl. Oceanography)
- Mathematics
- Physics
- Statistics
- Other Physical Science

PROFESSIONAL
- Architecture or Urban Planning
- Home Economics
- Health Technology (medical, dental, laboratory)
- Library/Archival Science
- Nursing
- Pharmacy
- Predental, Premedicine, Preveterinary
- Therapy (occupational, physical, speech)
- Other Professional

SOCIAL SCIENCE
- Anthropology
- Economics
- Ethnic Studies
- Geography
- Political Science (gov't., international relations)
- Psychology
- Social Work
- Sociology
- Women's Studies
- Other Social Science

TECHNICAL
- Building Trades
- Data Processing or Computer Programming
- Drafting or Design
- Electronics
- Mechanics
- Other Technical

OTHER FIELDS
- Agriculture
- Communications (radio, TV, etc.)
- Computer Science
- Forestry
- Law Enforcement
- Military Science
- Other Field
- Undecided

23. Please indicate your agreement with each of the following statements.

(Mark one for each item)

	Agree Strongly	Agree Somewhat	Disagree Somewhat	Disagree Strongly
The Federal government is not doing enough to protect the consumer from faulty goods and services	4	3	2	1
The Federal government is not doing enough to promote disarmament	4	3	2	1
The Federal government is not doing enough to control environmental pollution	4	3	2	1
The Federal government should raise taxes to help reduce the deficit	4	3	2	1
Federal military spending should be increased	4	3	2	1
Nuclear disarmament is attainable	4	3	2	1
The death penalty should be abolished	4	3	2	1
A national health care plan is needed to cover everybody's medical costs	4	3	2	1
A couple should live together for some time before deciding to get married	4	3	2	1
Abortion should be legal	4	3	2	1
The activities of married women are best confined to the home and family	4	3	2	1
Wealthy people should pay a larger share of taxes than they do now	4	3	2	1
Marijuana should be legalized	4	3	2	1
Busing is OK if it helps achieve racial balance in the schools	4	3	2	1
It is important to have laws prohibiting homosexual relationships	4	3	2	1
College officials have the right to regulate student behavior off-campus	4	3	2	1
College officials have the right to ban persons with extreme views from speaking on campus	4	3	2	1
The chief benefit of a college education is that it increases one's earning power	4	3	2	1

24. How would you characterize your political views?
(Mark one)
- Far left
- Liberal
- Middle-of-the-road
- Conservative
- Far right

25. Please provide your Social Security Number.

0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9

26. The Higher Education Research Institute at UCLA actively encourages the colleges that participate in this survey to conduct local studies of their students. If your college asks for a tape copy of the data and signs an agreement to use it only for research purposes, do we have your permission to include your ID number in such a tape?

Yes No

ADDITIONAL QUESTIONS: If you received an additional page of questions, please mark your answers below:

27. A B C D E	34. A B C D E	41. A B C D E
28. A B C D E	35. A B C D E	42. A B C D E
29. A B C D E	36. A B C D E	43. A B C D E
30. A B C D E	37. A B C D E	44. A B C D E
31. A B C D E	38. A B C D E	45. A B C D E
32. A B C D E	39. A B C D E	46. A B C D E
33. A B C D E	40. A B C D E	

THANK YOU!

Please return your completed questionnaire in the postage-paid envelope to:
Higher Education Research Institute
2905 W. Service Rd., Eagan, MN 55121

3563-Questar/3940-54321

Appendix D

Response Codes for Major and Career Fields

Student's Probable Major

Collapsed Category	Item Response Alternatives
Agriculture	Agriculture; Forestry.
Biological Sciences	Biology (general); Biochemistry/biophysics; Botany; Marine (life) science; Microbiology/bacteriology; Zoology; Other.
Business	Accounting; Business administration (general); Finance; Marketing; Management; Secretarial studies; Other business.
Education	Business; Elementary. Music or Art; Physical Education or Recreation; Secondary; Special; Other.
Engineering	Aero-or astronautical; Civil; Chemical; Electrical or Electronic; Industrial; Mechanical; Other.
English	English (language or literature).
Health Professional	Nursing; Pharmacy; Premed, Predent, Prevet; Therapy (physical, occupational, speech).
History/Political Science	History; Political Science.
Humanities (Other)	Language (except English); Philosophy; Theater or drama; Theology or religion; Other arts or humanities.
Fine Arts	Art, fine & applied; Music; Speech; Architecture/urban planning.
Mathematics/Statistics	Mathematics; Statistics.
Physical Sciences	Astronomy; Atmospheric science; Chemistry; Earth science; Marine science; Physics; Other physical sciences.
Social Sciences	Anthropology; Economics; Ethnic Studies, Geography; Psychology; Social work; Sociology; Women's studies; Other social sciences.
Other Technical	Health technology; Data processing/computer programming; Drafting or design; Electronics; Mechanics, Other technical; Computer science.
Other Non-Technical	Journalism; Home economics; Library/archival science; Other professional; Building trades; Communications; Law enforcement; Military science; Other field.

Student's Probable Career

Collapsed Category	Item Response Alternatives
Artist	Actor or entertainer; Artist; Interior decorator; Musician (performer, composer); Writer or journalist.
Business	Accountant or actuary; Business (management); Business owner or proprietor; Business sales rep or buyer.
Clergy	Clergy (minister, priest); clergy (other religious).
College Teacher	College teacher.
Doctor (MD or DDS)	Dentist (including orthodontist); Physician.
Education (secondary)	School counselor; School principal; Teacher (secondary).
Engineer	Engineer.
Farmer or Forester	Conservationist or forester.
Health Professional	Dietitian or home economist; Lab technician or hygienist; Optometrist; Pharmacist; Therapist (physical, occupational, speech); Veterinarian.
Lawyer	Lawyer.
Nurse	Nurse.
Research Scientist	
Other	Architect; Clinical psychologist; Computer programmer; Foreign service worker; Homemaker; Law enforcement officer; Military service (career); Social worker; Statistician; Skilled trades; Other.
Undecided	Undecided.

Higher Education Research Institute/CIRP

Current Publications List

November, 1991

The American Freshman:
Twenty–Five Year Trends ($25.00)

Provides trends data for entering freshman classes on selected items of the CIRP survey from 1966-1990. The report highlights academic skills and preparation, demographic trends, high school activities and experiences, education and career plans, and student attitudes and values. September, 1991/192 pages.

The American College Teacher ($12.00)

National Norms for the 1989-90 HERI Faculty Survey

Provides an informative profile of teaching faculty at American colleges and universities. Teaching, research activities and professional development issues are highlighted along with issues related to job satisfaction and stress. December, 1990/ 104 pages.

The Black Undergraduate ($8.00)

Current Status and Trends in the Characteristics of Freshmen

This study examines changes in the characteristics of black college freshmen during the past two decades. A wide variety of characteristics of black college freshmen are considered in the study: family background, academic experience in high school, reasons for attending college, finanical aid, choices of majors and careers, expectations for college, self-concept, values, attitudes, and beliefs. August, 1990/22 pages.

Predicting College Student Retention ($8.00)

Comparative National Data from the 1982 freshman class.

A practical guide for colleges interested in using registrar's data to predict student retention. Focus is on the entering freshmen class of 1982 using results from the 1986 Follow-up Survey. March, 1989/110 pages.

The Courage and Vision to Experiment ($10.00)

Hampshire College 1970-1990

Summarizes the results of a study of Hampshire College, an experimenting liberal arts institution located in Amherst, Massachusetts. Through an analysis of alumni outcomes, the report emphasizes how the lessons learned from the innovative approach used at Hampshire can be translated to the higher education community at large. January, 1991/190 pages.

The American College Student

Provides information on the college student experience two and four years after college entry. Student satisfaction, talent development, student involvement, changing values and career development, and retention issues are highlighted along with normative data from student responses to the HERI Follow-up Surveys.

1990 report: Normative data for 1986 and 1988 freshmen. October, 1991/196 pages $15.00

1989 report: Normative data for 1985 and 1987 freshmen. October, 1991/216 pages $15.00

1988 report: Normative data for 1984 and 1986 freshmen. August, 1990/210 pages $15.00

1987 report: Normative data for 1983 and 1985 freshmen. Sept., 1989/130 pages $15.00

1985 report: Normative data for 1981 and 1983 freshmen. March, 1989/44 pages $14.00

The American Freshman: National Norms

Provides national normative data on freshman responses to the annual freshman survey. Please check the year you wish to receive:

Year	Price	Year	Price
1966	7.50__	1979	7.50__
1967	7.50__	1980	7.50__
1968	7.50__	1981	7.50__
1969	7.50__	1982	7.50__
1970	7.50__	1983	8.25__
1971	7.50__	1984	8.25__
1972	7.50__	1985	8.50__
1973	7.50__	1986	12.95 (out of stock)
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1977	7.50__	1990	19.00__
1978	7.50__		

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